

DEPARTMENT OF THE ARMY SUPPLY BULLETIN

STORAGE SERVICEABILITY STANDARD FOR
TROSCOM MATERIEL
CONSTRUCTION, MINING, EXCAVATING AND
HIGHWAY MAINTENANCE EQUIPMENT

This copy is a reprint which includes current pages from Changes I through 4.

CHANGE

No. 4

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 19 July 1974

**Storage Serviceability Standard for TROSCOM Materiel
CONSTRUCTION, MINING, EXCAVATING, AND HIGHWAY
MAINTENANCE EQUIPMENT**

SB 740-97-38, 2 April 1973, is changed as follows:

1. On the change sheet of Change 1, supersession note, delete SB 740-97-E05, 19 January 1968, and add SB 740-3805-97-E05, 19 January 1968.
2. Remove old pages and insert new pages as indicated below.

Remove pages	Insert pages
I-1 through I-4	I-1 through I-5
III-1	III-1
None	III-T-1 through III-T-4
None	III-U-1 through III-U-2
None	III-V-1 through III-V-4
None	III-W-1 through III-W-3
None	III-X-0 through III-X-1
None	III-Y-0 through III-Y-1
None	III-Z-0 through III-Z-3
None	III-AA-0 through III-AA-4
None	III-BB-1 through III-BB-5
None	III-CC-0 through III-CC-3
None	III-DD-0 through III-DD-2
None	III-EE-1
None	III-FF-0
None	III-GG-1
None	III-HH-0
None	III-II-1 through III-II-3
None	III-JJ-0 through III-JJ-3
None	III-KK-0 through III-KK-2
None	III-LL-1 through III-LL-2
None	III-MM-1
None	III-NN-0 through III-NN-2
None	III-OO-1
None	III-PP-0 through III-PP-1

2. File this change sheet in the front of the manual for reference purposes.

*This change supersedes SB 7403815-97-E01, 11 October 1972; SB 7403825-97.E01, 30 August 1968; SB 7403825-7-E03, 20 March 1969; SB 7402 -E11; S825-97-E05, 2 March 1970; SB 740-3895-97-E04, 8 August 1968; SB 740-3895-97-E10, 9 December 1968; SB 7403895-97-E12, 3 December 1968; SB 743895-97-E13, 9 December 1968; SB 740-3895-97-E14, 27 December 1968; SB 740-3895-97-E15, 20 December 1968; SB 740-389597-E16, 16 January 1969; SB 7403895-97-E17, 10 February 1969; SB 740-3895-97-E18, 7 January 1969; SB 7404895-97-E19, 17January 1969; SB 740895-97-E20, 24 March 1969;SB 74038957-E22, 20 Mar 1969;SB 7403895-97-E23, 17Marh 1969; SB 7403895-97-E25, 21 March 1969; SB 740-3895-97-E26, 24 March 1969; SB 740-3895-97-E27, 8 July 1969; SB 740-389597-E29, 12 May 1969; and SB -740-3895-97-E31, 30 April 1969.

By Order of the Secretary of the Army:

Official:

VERNE L. BOWERS
Major General, United States Army
The Adjutant General

CREIGHTON W. ABRAMS
General, United States Army
Chief of Staff

Distribution:

To be distributed in accordance with DA Form 12-21 (qty rqr block No. 88) requirements for FSC Group 3830-IL.

Change

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 26 February 1974

No. 3

Storage Serviceability Standard for TROSCOM Materiel
CONSTRUCTION, MINING, EXCAVATING AND HIGHWAY
MAINTENANCE EQUIPMENT

SB 740-97-38, 2 April 1973, is changed as follows:

1. Remove old pages and insert new pages as indicated below.

Remove pages	Insert pages
I-1 through I-3	I-1 through I-I-4
III-1	III-1
None	III-P-1 through III-P - III-P-5
None	III-Q-1 through III-Q - III-Q-7
None	III-R-1 through III-R - III-R-5
None	III-S-1 through III-S - III-S-5

2. File this change sheet in front of the publication for reference purposes.

By Order of the Secretary of the Army:

Official:

VERNE L. BOWERS
Major General, United States Army
The Adjutant General

CREIGHTON W. ABRAMS
General, United States Army
Chief of Staff

Distribution:

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CHANGE
NO. 2

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C. 3 October 1973

**Storage Serviceability Standard For
TROSCOM Materiel
CONSTRUCTION, MINING, EXCAVATING, AND
HIGHWAY MAINTENANCE EQUIPMENT**

SB 740-97-38, 2 April 1973, is changed as follows:

1. Remove old pages and insert new pages as indicated below.

Remove pages	Insert pages
I-1 through I-3	I-1 through I-3
III-1	III-1
III-J-1 through III-J-5	III-J-1 through III-J-5
None	III-L-1 through III-L-5
None	III-M-1 through III-M-6
None	III-N-1 through III-N-4
None	III-O-1 through III-O-4

2. File this change sheet in the front of the publication for reference purpose.

By Order of the Secretary of the Army:

Official:

VERNE L. BOWERS
Major General, United States Army
The Adjutant General

CREIGHTON W. ABRAMS
General, United States Army
Chief of Staff

Distribution:

To be distributed in accordance with DA Form 12-21 (qty rqr block No. 88) requirements for FSC Group 3830-IL.

CHANGE

No. 1

Headquarters
Department of the Army
WASHINGTON, DC 15 June 1973

**Storage Serviceability Standard for
TROSCOM Materiel
CONSTRUCTION, MINING, EXCAVATING, AND
HIGHWAY MAINTENANCE EQUIPMENT**

SB 740-97-38, 2 April 1973, is changed as follows:

1. Remove old pages and insert new pages as indicated below.

Remove pages	Insert pages
1	1
3	3
9 and 10	I-1 through I-3
I1	II-1
13	III-1
15 and 16	III-A-1 and III-A-2
17 through 21	III-B-1 through III-B-5
23 and 24	III-C-1 and III-C-2
25 and 26	III-D-1 and III-D-2
27 through 30	III-E-1 through III-E-4
31 through 35	III-F-1 through III-F-3
None	III-G-1 through III-G-5
None	III-H-1- through III-H-5
None	III-I-1 through III-I-5
None	III-J-1ullthrough III-J-5
None	III-K-1 through III-K-3

2. File this change sheet in front of the publication for reference purposes.

By Order of the Secretary of the Army:

Official:

VERNE L. BOWERS
Major General, United States Army
The Adjutant General

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Distribution:

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Storage Serviceability Standard for TROSCCM Materiel

**CONSTRUCTION, MINING, EXCAVATING
AND HIGHWAY MAINTENANCE
EQUIPMENT**

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*This bulletin supersedes SB 740-3805-93-EOI, 11 October 1965; SB 740-3810-97-E01, 20 July 1970; SB 740-3820-97-E05, 19 April 1972; SB 740-3830-97-E02, 10 March 1970; SB 740-3895-97-E01, 30 October 1967 and SB 740-3895-97-E02, 3 February 1972.

Section I INTRODUCTION

1. Purpose. This bulletin provides a storage serviceability standard for use in measuring the materiel readiness status of stocks in the custody of supply and storage activities.

2. Scope. This bulletin applies to all Department of the Army CONUS and overseas depots engaged in the receipt, storage and issue of TROSCOM materiel.

3. Definitions. *a.* Definitions for the majority of specialized terms used herein can be found in MIL-STD-109, Quality Assurance Terms and Definitions.

b. Definitions for other specialized terms are as follows:

(1) *Storage serviceability standard.* A written procedure providing storage methods and standards and prescribing the necessary requirements for the surveillance of materiel in storage.

(2) *Surveillance.* A system whereby supplies and equipment are subjected to, but not limited to cyclic, scheduled and special inspection and continuous actions to assure that material is maintained in a ready for issue condition.

(3) *Visual inspection.* An inspection by visual means to observe the item and/or its packaging and packing to detect deficiencies. Visual inspection normally does not require disassembly or testing of the item.

(4) *Technical inspection.* An inspection by visual means including disassembly, measuring (gaging), performance testing and/or laboratory testing.

(5) *Stage I corrosion.* Discoloration, staining. No direct visual evidence of pitting, etching or other surface damage.

(6) *Stage II corrosion.* Loose rust, black or white corrosion accompanied by minor etching and pitting of surface. No scale or tight rust.

(7) *Stage III corrosion.* Rust, black or white corrosion accompanied singly or in combination with etching, pitting or more extensive surface damage. Loose or granular condition.

(8) *Stage IV corrosion.* Rust, black or white corrosion progressed to the point, where fit, wear, function or life of the item has been affected. Powdered or scaly condition, with pits or irregular areas of material removed from the surface of the item.

(9) *Defects and Defectives.* A defect is any nonconformance of the unit of product with specified requirements A defective is a unit of product which contains one or more defects. The classifi-

cation of defects and defectives is the listing of possible defects of the unit of product, or defectives, classified according to their seriousness.

(a) *Critical.* A critical defect is one that judgement and experience indicate could result in hazardous or unsafe conditions for individuals using or maintaining the product, or for major end items of units of a product, a defect that could prevent performance of their tactical functions. A critical defective is a unit of product that contains one or more defects.

(b) *Major.* A major defect is a defect, other than critical, that could result in failure, or materially reduce the usability of the unit of product for its intended purpose, or seriously affect the appearance when appearance is a major characteristic of the item. A major defective is a unit of product that contains one or more major defects.

(c) *Minor.* A minor defect is one that does not materially reduce the usability of the unit of product for its intended purpose, or is a departure from established standards having no significant bearing on the effective use or operation of the unit, or affects the appearance in a minor degree when appearance is a significant characteristic. A minor defective is a unit of product that contains one or more minor defects.

4. General. It is the Army's objective to attain and maintain a constant materiel readiness status of supplies and equipment in depot stocks. The scope of this objective is of such magnitude that only general guidelines are provided by Chapter 3, Section VIII of TM 743-200-1 for the quality evaluation of materiel in the custody of supply and storage activities. This standard supplements TM 743-200-1 by providing a systematic procedure for storage surveillance inspection of those items mentioned in paragraph 6 and indicates the limiting degree of deterioration, damage, unsatisfactory storage practices and other characteristics acceptable. It also establishes the basis for identifying material requiring segregation, remedial care and preservation or reclassification action. Applicable requirements of the standard may be used for performing receipt and preshipment quality control inspections.

5. Comments. Comments and suggestions pertaining to this bulletin should be submitted to the Commander, U.S. Army Troop Support Command, ATTN: AMSTS-SP , 4300 Goodfellow Boulevard, St. Louis, MO 63120.

Section II
STORAGE AND SPECIAL INSTRUCTIONS

6. Applicable Items. The provisions of this bulletin are applicable to those items listed in Appendix I.

7. Preservation, Packaging and Packing. Preservation, packaging and packing will be in accordance with the packaging references cited in the Packaging Segment of the Army Master Data File (AR 708-1).

8. Marking. Marking will be in accordance with MIL-STD-129.

9. Storage. *a. Type.* Type of storage will be in accordance with SB 740-1.

b. Age Control. The items covered by this bulletin will be issued on a First-In-First-Out (FIFO) basis by date of manufacturer.

c. Shelf-Life. The items covered by this bulletin have an indefinite shelf-life.

10. Formation of Lots. The selection of representative samples for surveillance evaluation is based on the homogeneity of the lot. Subject to the limitations of this rule, inspection lots should be as large as possible. To encompass these principles, the formation of lots for surveillance will consist of manufacturer's lots, grand lots or mixed lots.

a. Manufacturer's Lots. The Manufacturer's lot, batch or control number will be used whenever possible in the selection of samples. This would include lots of sizable quantities in original packs.

b. Grand Lot.

(1) The grouping together of several lots of one manufacturer can effect an increase of lot size. However, the following conditions must be met by these lots before material can be considered for grouping into a grand lot.

(a) Identical stock number, class, type, model.

(b) Same manufacturer.

(c) Manufactured within a period of twelve months.

(d) Comparable storage history.

(e) Identical packaging.

(f) No known significant difference in quality.

(2) The grand lot may be formed when the complete analysis of all available data, including the conditions noted above and the technical

judgement of the surveillance team, indicate the homogeneity of all significant characteristics. The formation of a grand lot at a depot is only a paper transaction and does not require any rewarehousing or reworking of material. Where such grand lots are formed and sampled for surveillance, reports of results should include a complete description of the grand lot composition in each case. If the samples drawn from the grand lot indicate heterogeneity of the individual lots making up the grand lot, the grand lot will then be terminated and manufacturer's lot sampling substituted.

c. Mixed Lot. The mixed lot is formed of one or more lots whose identification by manufacturer or lot number has been lost and its relation to other lots cannot be determined. An example of this is depot rollback or repacks or preserved material. Several mixed lots may be grouped into grand lots if surveillance inspection data indicates that these mixed lots are similar in their significant characteristics.

11. Storage Quality Control. *a. Sample Selection.* Select samples of material in a manner that will assure each unit in the lot has an equal chance of being selected. Biased methods, such as selecting items from the same position in the container, pallets or stacks; taking items all from one location; or selecting items that appear defective, will not be utilized. The use of a table of random numbers as contained in the Department of Defense Handbook, H53, is recommended and will insure random selection of samples.

b. Inspection.

(1) *Frequency.*

(a) Controlled humidity warehouse--60 months.

(b) Controlled temperature warehouse-30 -- months.

(c) Noncontrolled temperature warehouse--24 months.

(d) Shed--12 months.

(e) Open--6 months.

(2) *Selection of sampling plan.* The sampling plan will be obtained from the Master Sampling Table, which reflects inspection level II and has been adapted from plans provided in MIL-STD-105.

Master Sampling Table

Lot Size	Sample No.	Sampling Plan			Acceptance-Rejection No.			
		Sample Size						
		Major-A	Major-B	Cumulative Sample Size	Major-A AC	Major-A RE	Major-B AC	Major-B RE
2-8		3	2		0	1	0	1
9-15		3	2		0	1	0	1
16-25		3	3		0	1	0	1
26-90	FIRST	8		8	0	2	0	3
	SECOND	8		16	1	2	3	4
91-150	FIRST	13		13	0	3	1	4
	SECOND	13		26	3	4	4	5
151-280	FIRST	20		20	1	4	2	5
	SECOND	20		40	4	5	6	7
281-500	FIRST	32		32	2	5	3	7
	SECOND	32		64	6	7	8	9
501-1200	FIRST	50		50	3	7	5	9
	SECOND	50		100	8	9	12	13
1201-3200	FIRST	80		80	5	9	7	11
	SECOND	80		160	12	13	18	19
3201-10000	FIRST	125		125	7	11	11	16
	SECOND	125		250	18	19	26	27

AC = Acceptance Number

RE = Rejection Number

(a) *Single sampling plan.* A single sample plan, corresponding to the appropriate lot size and defect classification, is used involving lots of 25 items or less. A separate sample size and pair of acceptance and rejection numbers is shown under the column headed Major-A and Major-B. The numbers under the column headed AC refer to the maximum allowable number of defective item(s) in the sample that are permissible for acceptance. Conversely, the numbers under the columns headed RE refer to the minimum number of defective item(s) in the sample required to cause rejection of the lot.

(b) *Double sampling plan.* A double sampling plan, corresponding to the appropriate lot size is used if a successive stage cumulative acceptance and rejection numbers are indicated. The same sample size is used to determine the acceptance for both Major-A and Major-B defectives. The interpretation of the columns headed by AC and RE is the same as that described for the single sampling plan in (a) above. If at the first sampling stage, the number of defective items found is between the two numbers indicated in the column headed by AC and RE, an additional sample must be selected to arrive at an accept or reject decision for only one particular

defect class. If an additional sample is required for only one particular defect class, the inspection of the second sample will be restricted to only that particular defect class. For example, if the sampling table indicates acceptance for the Major-A defect class, but requires an additional sample to reach and accept or reject decision for Major-B defects, Major-A defectives so observed on the second sample will not contribute to lot rejection of the Major-A defect class. When a rejection number is reached in a second stage sample, inspection will be discontinued.

(3) *Inspection method.* Perform technical inspection of the selected samples. Functional or performance tests should be avoided unless there are significant indications that components of the items have deteriorated to a degree that operational problems will exist.

c. *Defect Classification.* Refer to Appendix II and III for listings of defects and their classifications. Defects should be classified as critical (when critical defects are considered), Major-A, Major-B or Minor, even if they are not considered to belong fully in these classes at the time of the inspection, but can reasonably be expected to be in these classes prior to the next scheduled inspection period. When inspection or testing of an item

reveals a critical defect, the lot represented will be rejected. Defects noted during the inspection and classified as minor will not be cause for rejection of the lot.

12. Other Instructions. *a. Rejected Lots.* Units comprising rejected lots will be afforded technical inspection on an individual basis to identify the degree of serviceability, condition and completeness in terms of readiness for issue or to identify actions underway to change the status of the material (AR 725-50).

b. Repackaging of Samples Inspected. Restore packaging of samples inspected and accepted to the level of the lot from which samples were drawn.

13. References. A listing of publications applicable to this bulletin is provided below.

<i>Number</i>	<i>Title</i>
AR 708-1	Cataloging and Supply Management Data
AR 725-50	Requisitioning, Receipt and Issue System
MIL-STD-105	Sampling Procedures anti Tables for Inspection by Attributes
MIL-STD-129	Marking for Shipment and Storage
TM 38-750	The Army Maintenance Management System
TM 743-200-1	Storage and Materials Handling
SB 740-1	Covered and Open Storage
Handbook H53	Quality and Reliability Guide for Sampling Inspection

**APPENDIX I
APPLICABLE ITEMS**

National Stock Number	Nomenclature	National Stock Number	Nomenclature
3805		3805-continued	
00-034-1471	Loader, scoop type	00-902-3083	Grader, road motorized
00-050-4638	Ditching machine	00-930-6623	Loader, scoop type
00-051-3139	Scraper, earth moving	00-931-7881	Grader, road motorized
00-051-9359	Loader, scoop type	00-935-7882	Grader, road motorized
00-053-8448	Grader, road motorized	00-948-4476	Scraper, earth moving
00-069-3316	Scraper, earth moving	00-995-3236	Loader, scoop type
00-074-6378	Loader, scoop type.3810		
00-075-3312	Scraper, earth moving	00-043-5354	Crane, wheel mounted
00-131-4620	Loader, scoop type	00-069-9003	Crane, unmounted
00-181-3059	Loader, scoop type	00-087-5020	Crane-shovel, truck mounted
00-194-9823	Grader, road motorized	00-151-4431	Crane-shovel, truck mounted
00-197-4184	Grader, road motorized	00-181-2740	Crane-shovel, truck mounted
00-197-8579	Scraper, earth moving	00-189-9680	Crane-shovel, truck mounted
00-197-8584	Scraper, earth moving	00-189-9683	Crane-shovel, truck mounted
00-197-8585	Scraper, earth moving	00-189-9684	Crane-shovel, truck mounted
00-197-8592	Scraper, earth moving	00-189-9694	Crane-shovel, truck mounted
00-221-1717	Ditching machine	00-189-9695	Crane-shovel, truck mounted
00-221-1802	Grader, road motorized	00-189-9707	Crane-shovel, crawler mounted
00-221-1803	Grader, road motorized	00-221-2290	Crane-shovel, crawler mounted
00-223-9029	Grader, road motorized	00-221-2327	Crane-shovel, crawler mounted
00-223-9030	Grader, road motorized	00-223-9369	Crane-shovel, crawler mounted
00-223-9031	Grader, road motorized	00-223-9373	Crane-shovel, crawler mounted
00-223-9037	Grader, road motorized	00-223-9376	Crane-shovel, crawler mounted
00-238-2166	Ditching machine	00-230-2774	Crane, truck mounted
00-239-8746	Loader, bucket type	00-230-3821	Crane-shovel, crawler mounted
00-243-2746	Loader, bucket type	00-230-3822	Crane-shovel, crawler mounted
00-253-0627	Loader, scoop type	00-234-5119	Crane, tractor towed, wheeled
00-281-1892	Scraper, earth moving	00-240-7502	Crane-shovel, truck mounted
00-351-7100	Loader, scoop type	00-240-7504	Crane-shovel, truck mounted
00-351-7103	Scraper, earth moving	00-240-7505	Crane-shovel, truck mounted
00-351-9542	Scraper, earth moving	00-255-7593	Crane-shovel, crawler mounted
00-368-2845	Dump Truck	00-256-3850	Crane, crawler mounted
00-368-2847	Dump Truck	00-263-3068	Crane-shovel crawler mounted
00-3682848	Dump Truck	00-272-9884	Crane-shovel crawler mounted
00-368-2850	Dump Truck	00-273-3023	Crane-shovel, truck mounted
00-378-9792	Loader, bucket type	00-273-3148	Crane-shovel, crawler mounted
00-378-9805	Scraper, earth moving	00-273-3151	Crane-shovel, crawler mounted
00-418-0115	Scraper, earth moving	00-273-3152	Crane-shovel, crawler mounted
00-418-0116	Scraper, earth moving		
00-348-1463	Loader, scoop type	00-273-3173	Crane-shovel, truck mounted
00-443-4727	Ditching machine	00-290-4963	Crane-shovel, crawler mounted
00-466-0084	Grader, road motorized	00-290-4964	Crane-shovel, truck mounted
00-542-2995	Grader, road motorized	00-350-3775	Crane, wheel mounted
00-542-2996	Grader, road motorized	00-351-9317	Crane-shovel, crawler mounted
00-542-3054	Ditching machine	00-351-9321	Crane-shovel, crawler mounted
00-542-3402	Loader, scoop type	00-351-9345	Crane-shovel, crawler mounted
00-555-1756	Loader, scoop type	00-351-9363	Crane-shovel, truck mounted
00-641-6017	Loader, bucket type	00-351-9364	Crane-shovel, truck mounted
00-641-6132	Scraper, earth moving	00-351-9366	Crane-shovel, truck mounted
00-641-6161	Scraper, earth moving	00-351-9368	Crane-shovel, truck mounted
00-641-6162	Scraper, earth moving	00-351-9372	Crane, truck mounted
00-678-6359	Scraper, earth moving	00-401-0597	Crane-shovel, crawler mounted
00-479-6915	Loader, scoop type	00-457-1525	Crane, truck mounted
00-727-6719	Ditching machine	00457-1.526	Crane, truck mounted
00-761-1640	Grader, scoop type	00-526-4417	Crane-shovel, truck mounted
00-782-5290	Grader, road motorized	00-527-8612	Crane-shovel, truck mounted
00-801-4999	Grader, road motorized	00-542-3048	Crane-shovel, crawler mounted
00-803-2671	Loader, scoop type	00-542-3049	Crane-shovel, crawler mounted
00-811-7671	Scraper, earth moving	00-542-4980	Crane-shovel, truck mounted
00-832-6229	Dump Truck	00-542-4982	Crane-shovel, truck mounted
00-859-2466	Scraper, earth moving	00-585-2183	Crane-shovel, crawler mounted
00-866-3849	Loader, scoop type	00-606-8569	Crane-shovel, crawler mounted
00-900-8546	Loader, scoop type	00-418-0627	Crane-shovel, crawler mounted

National Stock Number	Nomenclature	National Stock Number	Nomenclature
3810 continued		3815-continued	
00-624-8953	Crane-shovel, truck mounted	00-227-6245	Shovel front
00-634-8999	Crane-shovel, truck mounted	00-227-6275	Shovel front
00-634-9147	Crane-shovel, crawler mounted	00-227-6283	Shovel front
00-634-9176	Crane-shovel, crawler mounted	00-236-8121	Boom, crane
00-701-7324	Crane, crawler mounted	00-236-8128	Boom extension
00-728-9945	Crane, crawler mounted	00-236-8131	Boom, crane
00-763-7728	Crane, wheel mounted	00-236-8132	Boom, crane
00-786-5200	Crane-shovel, crawler mounted	00-239-4884	Bucket, clamshell
00-811-1302	Crane-shovel, crawler mounted	00-240-2222	Backhoe
00-815-2308	Crane shovel, wheel mounted	00-240-2227	Shovel front
00-818-3381	Crane-shovel, wheel mounted	00-241-8451	Backhoe
00-820-0698	Crane-shovel truck mounted	00-244-1650	Boom extension
00-820-4699	Crane-shovel, truck mounted	00-246-4401	Backhoe
00-820-3956	Crane-shovel, crawler mounted	00-249-8386	Tagline
00-859-2404	Crane, wheel mounted	00-249-8377	Tagline
00-861-8088	Crane-shovel truck mounted	00-249-8388	Tagline
00-865-2901	Crane-shovel, crawler mounted	00-249-8389	Tagline
00-869-3092	Crane shovel, crawler mounted	00-249-8391	Tagline
00-902-3082	Crane, wheel mounted	00-251-6480	Boom extension
00-921-5055	Crane, .wheel mounted	00-271-1964	Bucket, clamshell
00-933-0588	Crane-shovel, crawler mounted	00-272-8673	Bucket, clamshell
00-933-0589	Crane-shovel, crawler mounted	00-272-8674	Bucket, clamshell
00-933-0590	Crane-shovel, crawler mounted	00-272-8676	Bucket, clamshell
00-937-3939	Crane-shovel, crawler mounted	00-313-2491	Backhoe
00-948-0407	Crane, wheel mounted	00-377-0581	Adapter plate set
00-989-0505	Crane-shovel, truck mounted	00-377-0582	Adapter plate set
00-989-0506	Crane-shovel, truck mounted	00-378-8673	Bucket, clamshell
3815		00-378-8674	Bucket, clamshell
00-017-9482	Backhoe, -crane	00-3788676	Bucket, clamshell
00-072-5071	Shovel front	00-378-8677	Bucket, clamshell
00-072-5072	Backhoe	00-378-8678	Bucket, clamshell
00-089-9747	Shovel front	00-378-8679	Bucket, clamshell
00-098-6799	Adapter plate set	00-378-8681	Bucket, clamshell
00-109-3356	Bucket, dragline	00-378-8682	Bucket, clamshell
00-109-3357	Bucket, clamshell	00-378-8683	Bucket, clamshell
00-134-7875	Shovel front	00-378-8684	Bucket, clamshell
00-137-5677	Backhoe	00-378-8685	Bucket, clamshell
00-186-3519	Boom, Jib	00-378-8686	Bucket, clamshell
00-186-3579	Bucket, orange peel	00-378-8687	Bucket, clamshell
00-190-3308	Catwalk, pile driver	00-378-8688	Bucket, clamshell
00-192-5931	Bucket, dragline	00-378-8694	Bucket, clamshell
00-193-6574	Boom, crane	00-378-8695	Bucket, clamshell
00-194-6942	Boom, crane	00-378-8699	Bucket, clamshell
00-194-6944:	Boom, crane	00-378-8700	Bucket, clamshell
00-194-7010	Boom, crane	00-378-8702	Bucket, clamshell
00-194-7012	Boom, crane	00-379-3644	Bucket, dragline
00-194-7013	Boom, crane	00-379-3645	Bucket, dragline
00-194-7016	Boom, crane	00-414-5416	Boom extension
00-194-9734	Bucket, dragline	00-449-4918	Boom extension
00-197-7233	Boom extension	00-449-4919	Shovel front
00-197-7249	Boom extension	00-449-4921	Fairlead
00-197-7265	Boom extension	00-449-4922	Backhoe
00-197-7282	Boom extension	00-449-4975	Boom jib
00-197-7283	Boom extension	09-449-4980	Bucket, dragline
00-197-7287	Boom extension	00-460-3844	Bucket, clamshell
00-197-7306	Boom extension	00-469-7696	Brace, backhoe
00-197-7310	Boom extension	00-481-2287	Shaft, straight
00-197-7311	Boom extension	00-507-0585	Boom jib
00-221-2215	Lead, section	00-526-4586	Shovel front
00-221-2216	Lead, section	00-529-9816	Boom, crane
00-221-2217	Lead, section	00-530-0512	Fairlead
00-222-1877	Ball, wrecking	00-540-6980	Backhoe
00-224-9721	Boom, extension	00-540-7563	Bucket, clamshell
00-224-9723	Boom, crane.	00-541-8959	Bucket, clamshell
00-227-6188	Backhoe	00-541-8960	Bucket, dragline
00-227-6197	Backhoe	00-541-9839	Boom, crane
00-227-6198	Backhoe	00-542-0105	Fairlead
00-227-6243	Shovel front	00-542-3314	Bucket, clamshell

National Stock Number	Nomenclature	National Stock Number	Nomenclature
3815-continued		3815-continued	
00-617-7575	Boom, crane	00-969-8675	Adapter plate set
00-618-2937	Bucket, dragline	00-974-1240	Fairlead
00-618-2940	Bucket, dragline	00-983-2315	Boom, crane
00-618-5075	Bucket, dragline	00-983-8029	Lead section
00-618-5077	Bucket, dragline	00-996-7124	Boom, crane
00-618-7316	Bucket, dragline	3820	
00-618-8096	Bucket, dragline	00-020-5300	Drill, pneumatic
00-618-8099	Backhoe	00-104-1894	Drill, pneumatic
00-618-8100	Boom	00-138-5419	Drill, pneumatic, drifter
00-618-8101	Shovel front	00-190-8677	Crusher, Jaw
00-618-8102	Boom jib	00-221-1428	Crusher Jaw
00-634-9353	Boom, crane	00-222-4235	Crushing and Screening Unit
00-634-9354	Boom, crane	00-226-5726	Breaker, paving
00-634-9356	Boom, crane	00-247-9913	Crushing and Screening Unit
00-641-5865	Bucket, dragline	00-251-6474	Crushing and Screening Unit
00-641-5867	Bucket, dragline	00-290-4990	Breaker, paving
00-641-5869	Bucket, dragline	00-360-2475	Crushing, Screening and
00-641-5870	Bucket, dragline		Washing Unit
00-641-6768	Boom, crane	00-371-6800	Auger, earth, skid-mounted
00-631-6807	Boom, crane	00-391-0513	Auger, earth, skid-mounted
00-641-6890	Fairlead	00-405-4082	Drill pneumatic
00-641-6891	Fairlead	00-410-4439	Drill, pneumatic
00-641-6895	Fairlead	00-410-5549	Drill, pneumatic, drifter
00-641-6896	Fairlead	00-432-1568	Auger, earth, skid-mounted
00-641-6937	Fairlead	00-445-3766	Drill, pneumatic, drifter
00-641-6938	Fairlead	00-527-8609	Scrubber and Washer,
00-641-6945	Fairlead		Aggregate
00-641-7011	Boom extension	00-530-1184	Crusher, Jaw
00-641-7014	Boom extension	00-530-3472	Crushing and Screening Unit
00-641-7032	Boom extension	00-503-3473	Crushing and Screening Unit
00-641-7033	Boom extension	00-530-7562	Breaker, paving
00-641-7308	Boom jib	00-542-3235	Auger, earth, skid-mounted
00-641-7331	Backhoe	00-634-9210	Crushing, Screening and
00-641-7457	Boom extension		Washing Unit
00-641-7471	Shovel front	00-634-9779	Breaker, paving
00-641-8404	Boom, crane	00-641-4968	Crusher, jaw
00-641-8405	Boom, crane	00-641-4971	Crushing, Screening and
00-641-8407	Boom, jib		Washing Unit
00-641-8408	Shovel front	00-641-5873	Breaker, paving
00-641-8410	Extension boom	00-641-5875	Crushing, Screening and
00-641-8412	Extension boom		Washing Unit.
00-663-6247	Fairlead	00-688-9995	Drill, pneumatic
00-678-1734	Adapter plate set	00-782-5288	Drilling Machine, well,
00-684-6175	Bucket clamshell		percussion
00-684-6334	Bucket, concrete	00-783-7311	Crusher, Jaw
00-684-6335	Bucket, concrete	00-788-5999	Crusher, Roll
00-690-7930	Fairlead	00-815-5023	Drill, pneumatic
00-690-8922	Bucket, clamshell	00-832-5165	Piping Equipment
00-693-9313	Boom, crane	00-832-5166	Crushing and Screening Unit
00-720-4375	Bucket, clamshell	00-832-5167	Crushing and Screening Unit
00-728-8330	Boom jib	00-832-5168	Crusher Jaw
		00-832-5169	Scrubber and Washer,
			Aggregate
00-752-9021	Boom, crane	00-832-5170	Crushing, Screening and
00-752-9022	Boom, crane		Washing Unit
00-802-7573	Bucket, concrete	00-834-3705	Drilling Machine, well,
00-813-2671	Bucket, clamshell		percussion
00-819-4948	Bucket, clamshell	00-835-1182	Crusher, Roll
00-821-4874	Fairlead	00-841-5120	Screening Unit, Aggregate
00-833-9197	Boom, crane	00-841-5121	Washing and Screening Unit
00-834-2168	Boom, crane	00-851-6728	Crusher, Jaw
00-836-5241	Bucket, dragline	00-854-4149	Drill, pneumatic, drifter
00-873-4057	Shovel front	00-876-7876	Crusher, Roll
00-892-5160	Boom jib	00-878-4285	Crushing and Screening Unit
00-926-1039	Shovel front	00-880-0540	Crusher, Jaw
00-926-3844	Bucket, concrete	00-880-0795	Crusher Jaw
00-929-0684	Bucket, concrete	00-898-2071	Drilling Machine, well,
00-969-8674	Fairlead attachment		percussion

National Stock Number	Nomenclature	National Stock Number	Nomenclature
3820-continued		3895-continued	
00-902-3107	Breaker, paving, G.E.D.	00-191-3200	Distributor
00-917-7822	Drill, pneumatic	00-192-7594	Roller
00-930-1917	Drill, pneumatic drifter	00-194-5937	Distributor
00-931-4509	Auger, earth, skid-mounted	00-194-8536	Roller
00-932-0805	Breaker, paving, G.E.D.	00-194-8550	Roller
00-935-7808	Drill, pneumatic	00-194-8551	
00-938-7942	Crushing and Screening Unit	00-194-8555	Roller
3825		00-221-1632	Roller
00-077-0550	Distributor, Water, Tank-Type Truck Mounted	00-221-1694	Extractor, pile
		00-221-1763	Heater, bitumen
00-087-5019	Sweeper, Rotary	00-221-2747	Heater, concrete mixer
00-140-1511	Snow Removal Unit	00-223-8394	Roller
00-230-9690	Sweeper, Rotary	00-223-8398	Roller
00-315-9710	Snow Removal Unit	00-223-9055	Gradation Control Unit
00-377-4327	Sweeper, Rotary	00-230-9684	Roller
00-407-0406	Distributor, Water, Tank-Type Truck Mounted	00-234-2541	Router, road
		00-234-2543	Router, road
00-431-8310	Distributor, Water, Tank-Type Truck Mounted	00-238-5093	Mixer, concrete
		00-238-5098	Mixer, concrete
00-438-1485	Distributor, Water, Tank-Type Truck Mounted	00-238-5101	Mixer, concrete
		00-243-2534	Spreader, aggregate
00-474-3742	Distributor, Water, Tank-Type Truck Mounted	00-243-2678	Roller
		00-243-2734	Spreader, concrete
00-542-2173	Distributor, Water, Collapsible Tank	00-243-5441	Roller
		00-243-5442	Roller
00-555-0185	Sweeper,	00-244-4520	Roller
00-633-9962	Sweeper, Rotary	00-247-7593	Kettle
00-634-9217	Distributor, Water, Tank-Type Truck Mounted	00-247-7594	Kettle
		00-251-7552	Spreader, aggregate
00-641-6398	Sweeper, Rotary	00-252-5276	Roller
00-641-6401	Sweeper, Rotary	00-255-4133	Mixer, concrete
00-774-9030	Distributor, Water, Tank-Type Truck Mounted	00-255-4234	Mixer, concrete
		00-255-5054	Roller ¹
00-810-7074	Snow Removal Unit	00-264-4787	Mixer, concrete
00-832-5269	Sweeper, Rotary	00-264-4788	Mixer, concrete
00-859-7926	Sweeper, Rotary	00-264-4789	Mixer, concrete
00-935-7929	Distributor, Water, Tank-Type Truck Mounted	00-273-3003	Roller
		00-281-1887	Paving Machine
00-954-9033	Distributor, Water, Tank-Type Truck Mounted	00-388-3443	Extractor, pile
		00-438-1481	Distributor
		00-438-6857	Distributor
3830		00-442-9741	Kettle
00-851-6796	Treedozer, tractor mounted	00-443-4696	Hammer, piledriver
00-933-5458	Treedozer, tractor mounted	00-444-1531	Mixer, concrete
00-933-7345	Treedozer, tractor mounted	00-457-6126	Roller
06-933-7981	Treedozer, tractor mounted	00-459-2484	Distributor
		00-470-9808	Distributor
		00-479-8772	Roller
3895		00-488-0612	Saw, abrasive disk
00-007-9386	Roller	00-490-0560	Roller
00-014-0586	Hammer, piledriver	00-515-4651	Feeder, aggregate
00-020-5301	Heater, concrete mixer	00-527-8560	Roller
00-025-9932	Feeder, fines	00-527-8563	Feeder, aggregate
00-033-4986	Roller	00-527-8606	Distributor
00-051-3834	Kettle	00-527-8620	Distributor
00-051-7213	Roller	00-531-4056	Drier, aggregate
00-057-8715	Paving Machine	00-541-7584	Float Bridge, concrete finish
00-062-4628	Mixer, concrete	00-542-3260	Kettle
00-062-6939	Saw, abrasive disk	00-542-4599	Roller
00-062-7912	Heater, bitumen	00-542-4754	Drier, aggregate
00-066-6015	Kettle	00-542-5787	Float Bridge, concrete finishing
00-066-6016	Heater, hot oil		Roller
00-066-6017	Melter, asphalt	00-580-6745	Drier, aggregate
00-090-0434	Distributor	00-634-8098	Dust Collecting Machine
00-134-8154	Roller	00-634-9150	Heater, bitumen
00-151-4429	Roller	00-634-9215	Distributor
00-173-1728	Roller	00-641-5913	
00-190-3315	Feeder, aggregate		

National Stock Number	Nomenclature	National Stock Number	Nomenclature
3895-continued		3895-continued	
00-641-6025	Distributor	00-842-5326	Roller
00-641-6026	Distributor	00-846-7519	Roller
00-641-6414	Roller	00-849-2116	Distributor
00-641-6475	Roller	00-854-4150	Hammer, piledriver
00-663-4788	Roller	00-855-6248	Distributor
00-679-0224	Roller	00-866-1617	Roller
00-679-5759	Spreader, aggregate	00-871-8363	Roller
00-690-8151	Heater, concrete mixer	00-872-5965	Piping System, asphalt
00-690-8289	Distributor	00-880-0711	Saw, abrasive disk
00-725-9725	Spreader, concrete	00-883-0437	Mixer, rotary tiller
00-733-5479	Roller	00-900-4384	Roller
00-755-4761	Drier-Mixer, bituminous- concrete materials	00-902-3111	Roller
	Hammer, piledriver	00-902-3112	Roller
00-756-7447	Distributor	00-902-8455	Roller
00-762-4067	Distributor	00-917-6611	Roller
00-767-0247	Distributor	00-933-0546	Dust Collecting Machine
00-807-7985	Mixer, concrete	00-933-4905	Saw, abrasive disk
00-821-6951	Paving Machine	00-935-7807	Distributor
00-828-6859	Roller	00-935-7909	Roller
00-832-6230	Drier-Mixer, bituminous- concrete materials	00-935-7943	Roller
	Kettle	00-936-8122	Gradation Control Unit
00-832-6231	Distributor	00-936-8123	Drier, aggregate
00-832-9337	Distributor	00-952-5840	Roller
00-833-8820	Distributor	00-954-8181	Roller
00-835-4512	Mixer, concrete	00-984-3076	Roller
00-836-5242	Heater, bitumen	00-985-5335	Mixer, concrete
00-836-5243	Roller	00-987-5536	Mixer, rotary tiller
00-836-7324	Spreader, aggregate	00-989-1147	Distributor
00-838-9180	Heater, hot oil	00-989-3243	Drier-Mixer, bituminous- concrete materials
00-839-5586	Melter, asphalt		
00-841-1244	Heater, concrete mixer	00-997-5099	Roller

**APPENDIX II
PRESERVATION, PACKAGING, PACKING AND MARKING
DEFECTS**

Item	Defect	Classification		
		Major Minor		
		A	B	
PRESERVATION AND PACKAGING:	Inadequate or deteriorated to such an extent it will not provide protection against deterioration or damage during storage		X	
MARKING:	Incorrect marking and/or lack of identification or required special marking..... Improper sequence or location of marking; incorrect method of marking used; improper size of marking applied	X		X
PACKING:	Inadequate to the extent it will not provide protection against damage or loss		X	

**APPENDIX III
ITEM DEFECTS**

Individual item defects listings for each type of equipment covered by this bulletin are provided herein (appendix III-A through III-PP).

Attachments, Crane	Appendix III-LL
Auger, Earth.....	Appendix III-P
Breaker, Paving	Appendix III-C
Crane	Appendix III-B
Crane and Crane-Shovel Attachments	Appendix III-LL
Crushing, Screening, Scrubbing and Washing Equipment	Appendix III-Q
Distributor, Bituminous, Tankless Type	Appendix III-N
Distributor, Bituminous, Tank Type	Appendix III-L
Distributor, Water, Collapsible Tank	Appendix III-HH
Distributor, Water, Tank-Type	Appendix III-GG
Ditching Machine	Appendix III-I
Drier, Aggregate	Appendix III-BB
Drier-Mixer, Bituminous-Concrete Materials	Appendix III-T
Drilling Machine, Well	Appendix III-S
Drill, Pneumatic, Drifter I.....	Appendix III-R
Drills, Pneumatic	Appendix III-C
Dump Truck	Appendix III-J
Dust Collecting Machine	Appendix III-CC
Extractor, Pile	Appendix III-MM
Feeder, Aggregate	Appendix III-DD
Feeder, Fines	Appendix III-FF
Float Bridge, Concrete Finishing	Appendix III-PP
Gradation Control Unit	Appendix III-KK
Grader	Appendix III-G
Hammer, Piledriver	Appendix III-K
Heater, Bitumen	Appendix III-V
Heater, Concrete Mixer	Appendix III-X
Heater, Hot Oil	Appendix III-W
Kettle, Heating	Appendix III-O
Loader	Appendix III-H
Melter, Asphalt	Appendix III-Y
Mixer, Concrete	Appendix III-E
Mixer, Rotary Tiller	Appendix III-AA
Paving: Machine	Appendix III-M
Piping System, Asphalt	Appendix III-OO
Roller	Appendix III-F
Router, Road	Appendix III-EE
Saw, Abrasive Disk	Appendix III-NN
Scraper	Appendix III-A
Snow Removal Unit	Appendix III-JJ
Spreader, Aggregate	Appendix III-U
Spreader, Concrete	Appendix III-Z
Sweeper, Rotary	Appendix III-II
Treedozer	Appendix III-D

**APPENDIX III-A
ITEM DEFECTS FOR SCRAPERS**

Item	Defect	Classification		
		Major Minor		
		A	B	
EXTERIOR SURFACES AND HOUSINGS: General	Fractures: base mounting and/or fastening devices broken or missing	X		
Painted surfaces	Dents Stage III corrosion; chipped or abraded	X	X	
Unpainted noncritical surfaces	Stage II corrosion Stage IV corrosion Stage III corrosion Stage II corrosion	X	X	X
CHASSIS: Frame	Cracked or broken welds; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Tires	Checks and cracks extending to the cord; cut or punctured; bulges indicating ply separation; chunking of rubber	X		
Wheels	Distorted; broken; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Support jacks: Machined surfaces	Stage III corrosion	X		
	Stage II corrosion		X	
Non-machined surfaces	Stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
BODY ASSEMBLY:	Cracked or broken welds; stage IV corrosion	X		
	Stage III corrosion.....		X	
	Stage II corrosion			X
STEERING SYSTEM: Tow hitch or tongue	Stage IV corrosion; cracked or broken welds	X		
	Stage III corrosion.....		X	
	Stage II corrosion			X
Linkage	Stage IV corrosion, bent or distorted	X		
	Stage III corrosion; frozen.....		X	
	Stage II corrosion.....			X
WIRE ROPE:	Stage IV corrosion; broken strands	X		
	Stage III corrosion.....		X	
	Stage II corrosion			X
SHEAVES:	Stage IV corrosion; frozen	X		
	Stage III corrosion.....		X	

Item	Defect	Classification		
		Major Minor		
		A	B	
HYDRAULIC SYSTEM:				
Lines, hoses and fittings	Kinked; broken; leaks or seeps; checked or cracked; fungus growth; loss of flexibility	X		
Cylinders and valves	Stage III corrosion	X		
	Stage II corrosion on rods and/or internal surfaces of cylinders and valves.....		X	
Operating fluid	Contaminated		X	
Gaskets and seals	Deteriorated; leaks or seeps	X		
BRAKE ASSEMBLY				
Drum and/or shoes	Stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Springs, anchors, cable, yokes and/or linkage	Stage IV corrosion; distorted or broken	X		
	Stage III corrosion; frozen.....		X	
	Stage II corrosion.....			X
Fluid reservoirs, wheel and master cylinders	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces; leaks; boots deteriorated; frozen.....	X		
	Stage III corrosion on external surfaces; stage II corrosion on internal surfaces			X
Air reservoir	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces	X		
	Stage II corrosion on internal surfaces; stage III corrosion on external surfaces		X	
Cylinder actuating rods	Stage IV corrosion	X		
	Stage III corrosion.....		X	
	Stage II corrosion			X
Lines, hoses and fittings	Checked; cracked; kinked; split or cut; leaks; loss of flexibility	X		
LUBRICATION SYSTEM:	Lubrication points dry			X
BASIC ISSUE ITEMS (BII):	Missing	X		
	Deteriorated or damaged		X	
COMPONENTS AND ACCESSORIES:	Missing; incomplete	X		
	Deteriorated or damaged		X	
DRIVE BELTS AND HOSES	Checking; cracking; broken reinforcing; frayed; cut; loss of flexibility and resiliency; fungus growth		X	
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken or distorted		X	
WARNING OR CAUTION PLATES:	Illegible; missing	X		
MODIFICATION WORK ORDER (MWO):				
Urgent classification	Not applied	X		
Routine classification	Not, applied		X	
EQUIPMENT LOG BOOK (TM 38-750):	Missing	X		
	Incomplete		X	
DATA PLATES:	Illegible; missing			X
DEPRESEIVATION GUIDE (DA FORM 2258):	Illegible; missing			X

**APPENDIX III-B
ITEM DEFECTS FOR CRANES**

Item	Defect	Classification		
		Major Minor		
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and/or fastening devices broken or missing	X		
	Dents		X	
Painted surfaces	Stage III corrosion; chipped or abraded	X		
	Stage II corrosion		X	
Unpainted noncritical surfaces	Stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
CHASSIS:				
Frame and springs	Cracked or broken welds; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Tires	Checks and cracks extending to the cord; cut or punctured; bulges indicating ply separation; chunking of rubber	X		
Wheels	Distorted; broken; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Wheel bearings	Stage III corrosion	X		
	Stage II corrosion		X	
Track	Stage IV corrosion		X	
CAB:				
Interior surfaces				
Painted surfaces	Stage III corrosion		X	
Unpainted noncritical	Stage III corrosion		X	
Glass, mirrors and reflectors	Breaks, cracks or discoloration		X	
Weatherseal	Loss of flexibility and resiliency; decomposition; splits and/or cracks		X	
Operator's seat assembly	Stage III corrosion on seat controls; tears and/or splits	X		
	Discoloration; mold or mildew		X	
Canvas top and shift lever boots	Tears; splits; discoloration; mold or mildew		X	
Wiper assembly	Motor frozen arms bent or broken	X		
	Blades bent or deteriorated		X	
STEERING SYSTEM:				
Wheel and operating levers	Stage IV corrosion; bent; frozen	X		
	Stage III corrosion, knobs cracked or broken		X	
	Stage II corrosion			X
Linkage	Stage IV corrosion; bent or distorted	X		
	Stage III corrosion; frozen		X	
	Stage II corrosion			X
ENGINE ASSEMBLY:				
Valves, rocker arm assembly and combustion chambers	Stage II corrosion	X		
Piston assembly and cylinder walls	Stage I corrosion		X	
	Stage II corrosion	X		
	Stage I corrosion		X	
Flywheel and ring gear	Stage IV corrosion; ring gear chipped, cracked or broken	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Air cleaner	Stage IV corrosion	X		

Item	Defect	Classification		
		Major Minor		
		A	B	
Cooling system: Radiator	Stage III corrosion		X	X
	Stage II corrosion.....			
Shutters and controls	Stage IV corrosion on internal surfaces; leaks	X		
	Stage III corrosion on internal surfaces; coolant contaminated.....		X	
Fan	Stage II corrosion on internal surfaces	X		X
	Stage IV corrosion	X		
Cooling fins	Frozen; stage III corrosion		X	
	Stage II corrosion.....			X
Seals and gaskets	Blades broken; stage IV corrosion	X		
	Bent; stage III corrosion.....		X	
Hoses and belts	Stage II corrosion		X	X
	Bent or otherwise damaged to the extent repair is required		X	
Pulleys	Deteriorated; leaks or seeps	X		
	Checking or cracking; frayed or cut; loss of flexibility; fungus growth; broken reinforcing		X	
Water pump	Cracked; broken; stage IV corrosion	X		
	Stage III corrosion		X	X
Aftercooler	Stage II corrosion	X		X
	Stage IV corrosion on internal surfaces; frozen; leaks.....	X		
Fuel system: Tank:	Stage III corrosion on internal surfaces		X	
	Stage II corrosion			X
Internal surfaces	Stage IV corrosion on internal surfaces; cracked or broken	X		
	Stage III corrosion on internal surfaces, deteriorated gasket		X	X
External surfaces	Stage II corrosion on internal surfaces	X		
	Stage III corrosion		X	
Lines, hoses and connectors	Stage II corrosion	X		X
	Cracked or checked; kinked; broken; fungus growth.....	X		
Filters and sediment bowls	Stage IV corrosion on internal surfaces; cracked or broken	X		
	Stage III corrosion on internal surfaces; element deteriorated or contaminated		X	
Carburetor	Stage II corrosion on internal surfaces	X		X
	Stage III corrosion; cracked or broken.....	X		
Seals	Stage II corrosion; contaminated		X	
	Deteriorated; leaks or seeps	X		
Fuel injectors-	Stage III corrosion; cracked or broken	X		
	Stage II corrosion.....		X	
Fuel injector pump	Stage III corrosion on internal surfaces; lubricant contaminated.....	X		
	Stage II corrosion on internal surfaces		X	
Hand priming pump	Stage III corrosion; distorted or cracked	X		
	Stage II corrosion; frozen.....		X	
Throttle and choke control	Bent, broken or frozen		X	
	Exhaust system:			
Rain cap	Stage IV corrosion; cracked, broken or missing	X		
	Stage III corrosion.....		X	
Brackets and hangers	Stage II corrosion.....			X
	Stage IV corrosion; cracked or broken	X		
Intake and exhaust manifolds, muffler and pipes	Stage III corrosion.....		X	
	Stage II corrosion			X
ELECTRICAL SYSTEM: Wiring	Stage IV corrosion; punctured	X		
	Stage III corrosion.....		X	
	Stage II corrosion			X
	Broken strands; cracked insulation; fungus growth	X		

Item	Defect	Classification		
		Major Minor		
		A	B	
Terminals and connections	Frayed; checked; loss of flexibility.....		X	
	Stage III corrosion; broken terminals	X		
Spark plugs and/or glow plugs	Stage II corrosion		X	
	Stage III corrosion on spark point end; ceramic insulator broken.....		X	
Horn	Stage II corrosion on spark point end			X
Switches, regulators, relays, magnetos and controllers	Stage III corrosion.....			X
Generator assemblies, electric motors and starters	Stage III corrosion; broken; frozen	X		
	Stage II corrosion		X	
Stage II corrosion	Stage III corrosion; frozen.....	X		
Lights and reflectors	Stage III corrosion; cracked or broken		X	
	Stage II corrosion.....			X
LUBRICATION SYSTEM:				
Lines, hoses and fittings	Kinked; broken; leaks or seeps; checked or cracked; fungus growth	X		
Filters	Stage III corrosion on internal or external surfaces.....	X		
	Stage II corrosion on internal surfaces; element deteriorated or contaminated		X	
Lubricant	Contaminated		X	
Seals and gaskets	Deteriorated; damaged: leaks or seeps.....	X		
Oil filler tube, breather cap and dipstick	Stage IV corrosion on internal surfaces	X		
	Stage III corrosion on internal surfaces; bent and/or broken		X	
Oil cooler	Stage IV corrosion on internal surfaces	X		
	Stage III corrosion on internal surfaces; housing cracked.....		X	
CONTROLS AND INSTRUMENTS:				
	Stage III corrosion; cracked or broken; inoperable; dial face illegible.....	X		
	Stage II corrosion; linkage frozen		X	
GOVERNORS:				
	Stage IV corrosion; linkage broken	X		
	Stage III corrosion; linkage frozen		X	
	Stage II corrosion			X
HYDRAULIC SYSTEM:				
Lines, hoses and fittings	Kinked; broken; leaks or seeps; checked or cracked, fungus growth; loss of flexibility	X		
Pump and/or fluid reservoir	Body cracked or broken; stage III corrosion	X		
Cylinders and salves	Stage II corrosion on internal surfaces		X	
	Stage III corrosion.....	X		
	Stage II corrosion on rods and/or internal surfaces of cylinders and valves.....		X	
Operating fluid	Contaminated		X	
Gaskets and seals	Deteriorated leaks or seeps	X		
Filters	Stage III corrosion on internal surfaces	X		
	Stage 11 corrosion on internal surfaces; element contaminated.....		X	
TUBROCHARGER AND/OR SUPERCHARGER:				
	Stage IV corrosion on internal surfaces.....	X		
	Stage III corrosion on internal surfaces; housing cracked		X	
CLUTCH ASSEMBLY.:				
Bearings, shafts, linkage and springs	Stage III corrosion, frozen.....	X		
	Stage II corrosion		X	
Metal disks and plates	Stage III corrosion.....	X		
	Stage II corrosion		X	

Item	Defect	Classification		
		Major Minor		
		A	B	
Fiber disks and bands Lubricant	Deteriorated; punctured or torn Contaminated	X	X	
BRAKE ASSEMBLY: Drum and/or shoes	Stage IV corrosion Stage III corrosion Stage II corrosion.....	X	X	X
Springs, anchors, cable, yokes and/or linkage	Stage IV corrosion; distorted or broken Stage III corrosion; frozen Stage II corrosion.....	X	X	X
Air compressor	Stage IV corrosion on internal surfaces; frozen Stage III corrosion on internal surfaces	X	X	
Air reservoir and/or chamber Parking brake	Stage III corrosion on internal surfaces Stage III corrosion on shoe expanding mechanism	X	X	
POWER TRAIN: Transmission (standard)	Stage III corrosion on internal surfaces; seals deteriorated; leaks Stage II corrosion on internal surfaces; contaminated lubricant	X	X	
Automatic transmission and/or final drives	Stage III corrosion on internal mechanism; deteriorated seals or gaskets; leaks Stage II corrosion on internal mechanism; lubricant contaminated		X	
GEARS: Exposed	Chipped, cracked or broken; stage IV corrosion..... Stage III corrosion Stage II corrosion.....	X	X	X
Enclosed	Chipped, cracked or broken; stage III corrosion..... Stage II corrosion; lubricant contaminated.....	X	X	
BALL JOINTS AND UNIVERSAL JOINT:	Stage III corrosion..... Stage II corrosion.....	X	X	
BATTERY COMPARTMENT:	Stage III corrosion Stage II corrosion	X	X	
DRIVE SPROCKETS, IDLERS SPRING AND ROLLERS:	Cracked or Broken; stage IV corrosion..... Stage III corrosion Stage II corrosion.....	X	X	X
DRIVE CHAINS: Precision	Stage III corrosion; cracked or broken links Stage II corrosion; pins and or rollers frozen	X	X	
Non-precision	Stage IV corrosion; cracked or broken links Stage III corrosion; pins and/or rollers frozen Stage II corrosion.....	X	X	X
WIRE ROPE:	Stage IV corrosion; broken strands Stage III corrosion Stage II corrosion.....	X	X	X
ANTI-ROTATION DEVICES; LIFTING, AND/OR TIE DOWN DEVICES:	Missing; cracked; broken or distorted.....		X	

Item	Defect	Classification		
		Major Minor		
		A	B	
ATTACHMENTS:	Refer to SB 740-97-1			
MISCELLANEOUS COMPONENTS:				
Painted	Stage III corrosion.....	X		
Unpainted noncritical	Stage III corrosion.....		X	
OUTRIGGERS:				
Manually operated	Stage III corrosion on pads or jack screws		X	
Hydraulically operated	Stage III corrosion on cylinder assembly		X	
SHEAVES:	Frozen		X	
ETHER DISCHARGER:				
	Stage IV corrosion on internal surfaces	X		
	Stage III corrosion on internal surfaces; broken or distorted spring; rubber washer distorted or deteriorated		X	
	Stage II corrosion on internal surfaces			X
WINTERIZATION SYSTEM:				
Heater	Stage IV corrosion on interior surfaces.....	X		
	Stage III corrosion on interior surfaces		X	
	Stage II corrosion on interior surfaces			X
Fuel system	Stage IV corrosion on interior surface of pump	X		
	Stage III corrosion on interior surface of pump; cracks, breaks or kinks in lines; filter contaminated		X	
	Stage II corrosion on interior surface of pump			X
MODIFICATION WORK ORDER (MWO):				
Urgent classification	Not applied	X		
Routine classification	Not applied		X	
EQUIPMENT LOG BOOK (TM 38-750):				
	Missing	X		
	Incomplete		X	
DATA PLATES:	Illegible or missing			X
WARNING OR CAUTION PLATES:	Illegible; missing	X		
A-DEPRESERVATION GUIDE (DA FORM 2258):	Illegible or missing			X

**APPENDIX III-C
ITEM DEFECTS FOR PAVING BREAKERS AND PNEUMATIC DRILLS**

Item	Defect	Classification		
		Major Minor		
		A	B	
EXTERIOR SURFACES AND HOUSINGS: General	Fractures; base mounting and/or fastening devices broken or missing.....	X		
Painted surfaces	Dents.....		X	
Unpainted noncritical surfaces	Stage III corrosion, chipped or abraded.....	X		
	Stage II corrosion.....		X	
	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
BACKHEAD ASSEMBLY: Backhead	Stage II corrosion on internal surfaces.....	X		
Throttle valve	Stage I corrosion on internal surfaces.....		X	
Throttle valve handle or lever	Stage II corrosion on internal surfaces.....	X		
Cartridge oiler	Stage I corrosion on internal surfaces.....		X	
Air strainer screen	Bent, broken or frozen.....		X	
Air inlet connection	Cartridge contaminated or deteriorated.....	X		
Rubber grips	Punctured or torn.....	X		
	Contaminated with foreign matter.....		X	
	Stage III corrosion; damaged threads.....	X		
	Stage II corrosion.....		X	
	Cracked or cut; fungus growth.....		X	
CYLINDER ASSEMBLY: Cylinder walls, piston and valve mechanism	Stage II corrosion.....	X		
Rotating mechanism	Stage I corrosion.....		X	
Oil chamber	Stage III corrosion on internal or external surfaces.....	X		
	Stage II corrosion on internal or external surfaces.....		X	
	Stage II corrosion on internal surfaces.....	X		
	Lubricant contaminated; wick deteriorated or contaminated.....		X	
FRONTHEAD ASSEMBLY: Cylinder walls, chuck and chuck nut	Stage II corrosion on internal surfaces.....	X		
Drill rod and tool retainer	Stage III corrosion; distorted, broken or frozen.....		X	
	Stage II corrosion.....			X
ENGINE: Piston assembly and cylinder walls	Stage II corrosion.....	X		
Rotation joint and shaft	Stage I corrosion.....		X	
Flywheel with fan	Stage II corrosion.....	X		
Fuel system: Tank	Stage I corrosion.....		X	
Fuel strainer	Cracked or broken.....	X		
Carburetor	Stage III corrosion on internal surfaces.....	X		
Air filter	Stage II corrosion on internal surfaces.....		X	
	Deteriorated or contaminated.....		X	
	Stage III corrosion; cracked or broken; fuel adjusting screw frozen.....	X		
	Stage II corrosion; contaminated.....		X	
	Deteriorated or contaminated.....		X	
ELECTRICAL SYSTEM: Wiring	Broken strands, cracked insulation; fungus growth.....	X		
Spark plug	Frayed; checked loss of flexibility.....		X	
	Stage III corrosion on spark point end; ceramic insulator broken.....		X	
	Stage II corrosion on spark point end.....			X

Item	Defect	Classification		
		Major Minor		
		A	B	
Ignition switch and magneto	Stage III corrosion; broken or frozen	X		
Starter (recoil)	Stage II corrosion.....		X	
	Stage II corrosion on internal surfaces; handle broken; wire frayed or cut; inoperative	X		
	Stage II corrosion on internal surfaces		X	
MIISCELLANEOUS COMPONENTS AND ACCESSORIES:				
Chest/transport box	Hinges or fasteners broken; stage IV corrosion	X		
	Hinges or fasteners frozen; stage III corrosion		X	
	Bent or distorted; ply separation			X
Leader hose	Stage III corrosion on fittings; damaged threads.....	X		
Drill steel, chisels, spades, etc.	Cuts, checking, cracking, loss of flexibility and resiliency		X	
	Stage IV corrosion; damaged threads.....	X		
	Stage III corrosion.....		X	
Exhaust hose	Stage II corrosion.....			X
	Stage III corrosion; bent or distorted.....	X		
	Stage II corrosion.....		X	
Tool kit	Stage II corrosion; incomplete	X		
Funnel and measuring can	Stage II corrosion; bent or distorted.....		X	
Back pack frame	Bent, broken or distorted; straps frayed, cut or mildewed	X		
MODIFICATION WORK ORDER (MWO):				
Urgent classification	Not applied	X		
Routine classification	Not applied		X	
INSTRUCTION PLATES:	Illegible or missing	X		

**APPENDIX III-D
ITEM DEFECTS FOR TREEDOZERS**

Item	Defect	Classification		
		Major Minor		
		A	B	
EXTERIOR SURFACES:				
General	Fractures; mounting and/or fastening devices broken	X		
Painted surfaces	Stage III corrosion; chipped or abraded	X		
	Stage II corrosion		X	
Unpainted noncritical	Stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
UPPER BRACES:				
Adjusting screws and pins	Stage III corrosion on machined surfaces	X		
	Stage II corrosion.....		X	
Grease fittings	Broken or missing.....		X	
LOWER BRACES:				
Pins, trunion, bearings and bearing caps	Stage II corrosion on machined surfaces	X		
Bearing cap bolts	Stage III corrosion; threads damaged	X		
	Stage II corrosion		X	
C-FRAME:				
Trunion bearings, bearing caps and ball studs	Stage II corrosion on machined surfaces	X		
Bearing cap bolts	Stage III corrosion; threads damaged.....	X		
	Stage II corrosion		X	
CLEARING BLADE:				
Hinge pins	Stage III corrosion	X		
	Stage II corrosion.....		X	
Brackets	Stage III corrosion	X		
	Stage II corrosion		X	
Center pin	Stage III corrosion	X		
	Stage II corrosion.....		X	
Cutting edge protector	Damaged or missing			X
CAP GUARD:				
Lifting eye	Cracked, broken or distorted		X	
Interior surfaces	Stage III corrosion; blistering or peeling paint	X		
	Stage II corrosion		X	
Right and left side assemblies	Broken welds; distorted ; hinges frozen.....	X		
Front brace, tie bar and rear screen	Broken welds, distorted	X		
Rear and front support	Stage IV corrosion	X		
	Stage III corrosion		X	
	Stage [I corrosion			X
Bolts, nuts and washers	Stage III corrosion: threads damaged.....	X		
	Stage II corrosion		X	
HAND PUMP:				
Housing	Cracked or broken	X		
Interior surfaces	Stage III corrosion; deteriorated gaskets and/or packing	X		
	Stage II corrosion		X	
Water hose	Checking, cracking; cut; loss of flexibility and resiliency; fungus growth.....		X	
Valves and fittings	Stage III corrosion; threads damaged, frozen or inoperable	X		
	Stage II corrosion		X	

Item	Defect	Classification		
		Major Minor		
		A	B	
ENGINE GUARD:				
Hinge pins	Bent or broken; stage III corrosion	X		
Right and left post assemblies	Stage III corrosion on pin contact surfaces	X		
	Stage II corrosion		X	
Door assemblies and rear shrouds	Bent, broken or distorted	X		
Hood, sides, plates, chanel and brackets	Bent, broken or distorted	X		
Hinges	Stage III corrosion; broken or frozen	X		
	Stage II corrosion.....		X	
Bolts, nuts and washers	Stage III corrosion; threads damaged	X		
	Stage II corrosion.....		X	
GRINDER:				
Housing	Stage III corrosion; cracked or broken	X		
	Stage II corrosion.....		X	
Air motor	Stage II corrosion on interior surfaces	X		
Live air handle	Stage II corrosion on interior surfaces; cracked or broken.....	X		
Dead handle	Cracked or broken	X		
Air hose	Checking or cracking; cut; loss of flexibility and resiliency; fungus growth.....	X		
Hose fittings	Stage III corrosion.....	X		
	Stage II corrosion		X	
Throttle lever	Stage II corrosion, bent or broken.....	X		
Gaskets	Deteriorated	X		
Grinding wheels	Chipped or cracked	X		
HYDRAULIC DOZER LINES, CONVERSION GROUP:				
Hoses	Checking or cracking; cut; loss of flexibility and resiliency; fungus growth.....	X		
Tubes	Bent, cracked or broken	X		
Fittings	Stage III corrosion; threads damaged	X		
	Stage II corrosion.....		X	
Seals	Deteriorated; loss of flexibility and resiliency	X		
HYDRAULIC CYLINDER LINE GUARDS:				
	Bent, broken or distorted; threads damaged; stage III corrosion	X		
	Stage III corrosion		X	
REMOTE AIR INTAKE:				
	Stage III corrosion; bent, broken or distorted; threads damaged	X		
	Stage II corrosion.....		X	
SPARE: PARTS KIT:				
Rotor blade	Bent or broken; stage II corrosion	X		
Gaskets	Deteriorated or broken	X		
Throttle valve seat	Stage II corrosion	X		
Felt wiper	Deteriorated	X		
COMPONENTS AND ACCESSORIES:				
Deteriorated or damaged	Missing; incomplete	X		
	.....		X	
MODIFICATION WORK ORDERS (MWO)				
Urgent classification	Not applied	X		
Routine classification	Not applied		X	
DATA PLATES:				
	Incorrect, illegible or missing			X

**APPENDIX III-E
ITEM DEFECTS FOR CONCRETE MIXERS**

Item	Defect	Classification		
		Major Minor		
		A	B	
EXTERIOR SURFACES AND HOUSING:				
General	Fractures; base mounting /or fastening devices broken or missing	X		
	Dents		X	
Painted surfaces	Stage III corrosion; chipped or abraded	X		
	Stage II corrosion		X	
Unpainted noncritical surfaces	Stage IV corrosion	X		
	Stage III corrosion		X	
	Stage I corrosion			X
CHASSIS:				
Frames and springs	Cracked or broken welds; stage IV corrosion	X		
	Stage III corrosion.....		X	
	Stage II corrosion			X
Tires	Checks and cracks extending to the cord; cut or punctured; bulges indicating ply separation; chunking of rubber	X		
Wheels	Distorted; broken; stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
STEERING SYSTEM:				
Towbar	Stage IV corrosion; cracked or broken welds	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Linkage	Stage IV corrosion; bent or distorted	X		
	Stage III corrosion; frozen		X	
	Stage II corrosion			X
WATER PUMP AND HOUSING:				
	Stage IV corrosion on internal surfaces; frozen	X		
	Stage III corrosion on internal surfaces		X	
	Stage II corrosion on internal surfaces			X
WATER MEASURING TANK:				
	Stage IV corrosion on internal surfaces; sight glass broken	X		
	Stage III corrosion on internal surfaces		X	
	Stage II corrosion on internal surfaces			X
WIRE ROPE:				
	Stage IV corrosion; broken strands	X		
	Stage III corrosion.....		X	
	Stage II corrosion			X
ENGINE ASSEMBLY:				
Valves, rocker arm assembly and combustion chambers	Stage II corrosion	X		
	Stage I corrosion.....		X	
Piston assembly and cylinder walls	Stage II corrosion	X		
	Stage I corrosion.....		X	
Flywheel and ring gear	Stage IV corrosion; ring gear chipped, cracked or broken	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Air cleaner	Stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X

Item	Defect	Classification		
		Major Minor		
		A	B	
Cooling system:				
Radiator	Stage IV corrosion on internal surfaces; leaks	X		
	Stage III corrosion on internal surfaces; coolant contaminated		X	
	Stage II corrosion on internal surfaces			X
Shutters and controls	Stage IV corrosion	X		
	Frozen; stage III corrosion		X	
	Stage II corrosion			X
Fan	Blades broken; stage IV corrosion	X		
	Bent; stage III corrosion		X	
	Stage II corrosion			X
Cooling fins	Bent or otherwise damaged to the extent repair is required		X	
Seals and gaskets	Deteriorated; leaks or seeps	X		
Hoses and belts	Checking or cracking; frayed or cut; loss of flexibility; fungus growth; broken reinforcing		X	
Pulleys	Cracked; broken; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Water pump	Stage IV corrosion on internal surfaces; frozen; leaks	X		
	Stage III corrosion on internal surfaces		X	
	Stage II corrosion on internal surfaces			X
Fuel system:				
Tank:				
Internal surfaces	Stage III corrosion.....	X		
	Stage II corrosion; coating peeling or flaking		X	
External surfaces	Stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Lines, hoses and connectors	Cracked or checked; kinked; broken; fungus growth	X		
Filters and sediment bowls	Stage IV corrosion on internal surfaces; cracked or broken	X		
	Stage III corrosion on internal surfaces; element deteriorated or contaminated		X	
	Stage II corrosion on interior surfaces			X
Carburetor	Stage III corrosion; cracked or broken	X		
	Stage II corrosion; contaminated		X	
Seals	Deteriorated; leaks or seeps	X		
Exhaust system:				
Rain cap	Stage IV corrosion; cracked, broken or missing	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Brackets and hangers	Stage IV corrosion; cracked or broken	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Intake and exhaust manifolds, muffler and pipes	Stage IV corrosion; punctured	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
ELECTRICAL SYSTEM:				
Wiring	Broken strands; cracked insulation; fungus growth	X		
	Frayed; checked; loss of flexibility.....		X	
Terminals and connections	Stage III corrosion; broken terminals	X		
	Stage II corrosion		X	
Spark plugs	Stage III corrosion on spark point end; ceramic insulator broken.....		X	
	Stage II corrosion on spark point end			X
Switches, regulators, relays, magnetos and controllers	Stage III corrosion; broken, frozen.....	X		
	Stage II corrosion.....		X	
Generator assemblies, electric motors and starters	Stage III corrosion; frozen.....	X		
	Stage II corrosion		X	

Item	Defect	Classification		
		Major Minor		
		A	B	
Lights and reflectors	Stage III corrosion; cracked or broken Stage II corrosion.....		X	X
LUBRICATION SYSTEM: Lines, hoses and fittings Filters	Kinked; broken; leaks or seeps; checked or cracked; fungus growth Stage III corrosion on internal or external surfaces Stage II corrosion on internal surfaces; element deteriorated or contaminated	X		
Lubricant Seals	Contaminated Deteriorated; leaks or seeps	X	X	
CONTROLS AND INSTRUMENTS:	Stage III corrosion; cracked, or broken; inoperable; dial face illegible Stage II corrosion; linkage frozen	X	X	
GOVERNORS:	Stage IV corrosion; linkage broken Stage III corrosion; linkage frozen Stage II corrosion.....	X	X	X
HYDRAULIC SYSTEM: Lines, hoses and fittings: Pump and/or fluid reservoir Cylinders and valves Operating fluid Gaskets and seals Filters	Kinked; broken; leaks or seeps; checked or cracked; fungus growth; loss of flexibility Body cracked or broken; stage III corrosion Stage II corrosion on internal surfaces Stage III corrosion Stage II corrosion on rods and/or internal surfaces of cylinders and valves..... Contaminated	X X X X	X X X	
Stage II corrosion on internal surfaces; element contaminated	Stage III corrosion on internal surfaces	X	X	
CLUTCH ASSEMBLY: Bearings, shafts, linkage and springs Metal disks and plates Fiber disks and bands Lubricant	Stage III corrosion; frozen Stage II corrosion..... Stage III corrosion..... Stage II corrosion..... Deteriorated; punctured or torn Contaminated	X X X X	X X X	
BRAKE ASSEMBLY: Drum and/or shoes Springs, anchors, cable, yokes and/or linkage	Stage IV corrosion Stage III corrosion..... Stage II corrosion Stage IV corrosion; distorted or broken..... Stage III corrosion; frozen Stage II corrosion	X X X	X X	X X
POWER TRAIN: Transmission (standard) Reduction drive	Stage III corrosion on internal surfaces; seals deteriorated; leaks Stage II corrosion on internal surfaces; contaminated lubricant Stage III corrosion on shafts, case, gears, hearings or chains; deteriorated seals; leaks Stage II corrosion on shafts, gears, bearings or chains; lubricant contaminated	X X	X X	

Item	Defect	Classification		
		Major Minor		
		A	B	
DRIVE BELTS AND HOSES.	Checking; cracking; broken reinforcing; frayed; cut; loss of flexibility and resiliency; fungus, growth.....	X		
GEARS.				
Exposed	Chipped, cracked or broken; stage IV corrosion Stage III corrosion.....	X	X	X
Enclosed	Chipped, cracked or broken; stage III corrosion Stage II corrosion; lubricant contaminated	X	X	
PULLEYS AND DRIVE SPROCKETS:	Cracked or broken; stage IV corrosion Stage III corrosion..... Stage II corrosion.....	X	X	X
DRIVE CHAINS:				
Precision	Stage III corrosion; cracked or broken links Stage II corrosion; pins and/or rollers frozen	X	X	
Non-precision	Stage IV corrosion; cracked or broken links Stage III corrosion; pins and/or rollers frozen Stage II corrosion.....	X	X	X
BASIC ISSUE ITEMS (BII):	Missing Deteriorated or damaged	X	X	
COMPONENTS AND ACCESSORIES:	Missing; incomplete Deteriorated or damaged	X	X	
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken or distorted.....		X	
WARNING OR CAUTION PLATES	Illegible; missing	X		
MODIFICATION WORK ORDER (MWO)				
Urgent classification	Not applied.....	X		
Routine classification	Not applied		X	
EQUIPMENT LOG BOOK (TM 38-750):	Missing Incomplete	X	X	
DATA PLATES.:	Illegible or missing			X
DEPRESERVATION GUIDE (DA Form 2258):	Illegible or missing			X

**APPENDIX III-F
ITEM DEFECTS FOR ROLLERS**

Item	Defect	Classification		
		Major Minor		
		A	B	
EXTERIOR SURFACES AND HOUSING: General	Fractures; base mounting and/or fastening devices broken or missing	X		
Painted surfaces	Dents		X	
Unpainted noncritical surfaces	Stage III corrosion; chipped or abraded	X		
	Stage II corrosion		X	
	Stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
FRAME AND BODY:	Cracked or broken welds; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
DRAWBAR OR BOLSTER:	Cracked or broken %welds; stage IV corrosion	X		
	Stage III corrosion.....		X	
	Stage II corrosion			X
PINTLE OR COUPLER:	Stage III corrosion; frozen		X	
ROLLS AND DRUMS:	Distorted; broken; stage IV corrosion on internal or external surfaces	X		
	Stage III corrosion on internal or external surfaces		X	
	Stage II corrosion on internal or external surfaces			X
TIRES	Checks and cracks extending to the cord; cut or punctured; bulges indicating ply separation; chunking of rubber	X		
WHEELS:	Distorted; broken; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
OPEBATOR'S PLATFORM:				
Controls and instruments	Stage III corrosion; cracked or broken; dial face deteriorated	X		
	Stage II corrosion; linkage frozen		X	
Seat cushions	Punctured or torn; mildew or fungus growth; insect infested		X	
Seat adjusters	Stage II corrosion		X	
	Stage II corrosion			X
SPRNKLER SYSTEIM:				
Water tank	Stage IV corrosion on internal surfaces; leaks	X		
	Stage III corrosion on internal surfaces		X	
	Stage II corrosion on internal surfaces			X
Valves, lines and hoses	Frozen or broken; checking or cracking; frayed or cut; loss of flexibility fungus growth; broken reinforcing.....		X	
Cocoa mats	Tears; cuts; mildew or mold.....		X	
Scraper blades	Bent broken or distorted; stage III corrosion		X	
SCARIFIER ASSEM:				
	Bent or distorted; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X

Item	Defect	Classification		
		Major Minor		
		A	B	
ENGINE ASSEMBLY:				
Valves, rocker arm assembly and combustion chambers	Stage II corrosion.....	X		
	Stage I corrosion.....		X	
Piston assembly and cylinder walls	Stage II corrosion.....	X		
	Stage I corrosion.....		X	
Fly wheel and ring gear	Stage IV corrosion; ring gear chipped, cracked or broken	X		
	Stage III corrosion		X	
Air Cleaner	Stage II corrosion			X
	Stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion		X	
Cooling system:				
Radiator	Stage IV corrosion on internal surfaces; leaks	X		
	Stage III corrosion on internal surfaces; coolant contaminated.....		X	
	Stage II corrosion on internal surfaces			X
Shutters and controls	Stage IV corrosion	X		
	Frozen; stage III corrosion		X	
Fan	Stage II corrosion.....			X
	Blades broken; stage IV corrosion	X		
	Bent; stage III corrosion		X	
	Stage II corrosion.....			X
Cooling fins	Bent or otherwise damaged to the extent repair is required		X	
Seals and gaskets	Deteriorated; leaks or seeps	X		
Hoses and belts	Checking or cracking; frayed or cut; loss of flexibility; fungus growth; broken reinforcing		X	
Pulleys	Cracked; broken; stage IV corrosion.....	X		
	Stage III corrosion		X	
Water pump	Stage II corrosion			X
	Stage IV corrosion on internal surfaces; frozen; leaks.....	X		
	Stage III corrosion on internal surfaces		X	
	Stage II corrosion on internal surfaces			X
Fuel system:				
Tanks:				
Internal surfaces	Stage III corrosion	X		
	Stage II corrosion; coating peeling or flaking		X	
External surfaces	Stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Lines, hoses and connectors	Cracked or checked; kinked; broken; fungus growth	X		
Filters and sediment bowls	Stage IV corrosion on internal surfaces; cracked or broken	X		
	Stage III corrosion on internal surfaces; element deteriorated or contaminated		X	
	Stage II corrosion on internal surfaces			X
Carburetor, injectors or nozzles	Stage III corrosion; cracked or broken	X		
	Stage II corrosion; contaminated		X	
Seals	Deteriorated; leaks or seeps	X		
Exhaust system:				
Rain cap	Stage IV corrosion; cracked, broken or missing	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Brackets and hangers	Stage IV corrosion; cracked or broken.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Intake and exhaust manifolds, muffler and pipes	Stage IV corrosion; punctured	X		
	Stage III corrosion		X	
	Stage II corrosion			X

Item	Defect	Classification		
		Major Minor		
		A	B	
ELECTRICAL SYSTEM:				
Wiring	Broken strands; cracked insulation; fungus growth	X.		X
	Frayed; checked; loss of flexibility		X	
Terminals and connections	Stage III corrosion; broken terminals	X		
	Stage II corrosion		X	
Spark plugs	Stage III corrosion on spark point end; ceramic insulator broken		X	
	Stage II corrosion on spark point end			
Switches, regulators, relays, magnetos and controllers	Stage III corrosion; broken; frozen	X		
	Stage II corrosion		X	
Generator assemblies, electric motors and starters	Stage III corrosion; frozen	X		
	Stage II corrosion		X	
Lights and reflectors	Stage III corrosion; cracked or broken		X	
	Stage II corrosion		X	
LUBRICATION SYSTEM:				
Lines, hoses and fittings	Kinked; broken; leaks or seeps; checked or cracked; fungus growth.....	X		
Filters	Stage III corrosion on internal or external surfaces	X		
	Stage II corrosion internal surfaces; element deteriorated or contaminated		X	
Lubricant	Contaminated		X	
Seals	Deteriorated; leaks or seeps	X		
GOVERNORS:				
	Stage IV corrosion; linkage broken	X		X
	Stage III corrosion; linkage frozen		X	
	Stage II corrosion			
HYDRAULIC SYSTEM:				
Lines, hoses and fittings	Kinked; broken; leaks or seeps; checked or cracked; fungus growth; loss of flexibility	X		
Pump and/or fluid reservoir	Body cracked or broken; stage III corrosion	X		
	Stage II corrosion on internal surfaces		X	
Cylinder and valves	Stage III corrosion	X		
	Stage II corrosion on rods and/or internal surfaces of cylinders and valves.....		X	
Operating fluid	Contaminated		X	
Gaskets and seals	Deteriorated; leaks or seeps	X		
Filters	Stage III corrosion on internal surfaces	X		
	Stage II corrosion on internal surfaces, element contaminated.....		X	
CLUTCH ASSEMBLY:				
Bearings, shifts, linkage and springs	Stage III corrosion; frozen	X		
	Stage II corrosion		X	
Metal disks and plates	Stage III corrosion.....	X		
	Stage II corrosion		X	
Fiber disks and bands	Deteriorated; punctured or torn	X		
Lubricant	Contaminated		X	
BRAKE ASSEMBLY:				
Drum and/or shoes	Stage IV corrosion	X		X
	Stage III corrosion		X	
	Stage II corrosion			
Springs, anchors, cables, yokes and/or linkage	Stage IV corrosion; distorted or broken	x		X
	Stage III corrosion; frozen		X	
	Stage II corrosion			
Fluid reservoirs, wheel and master cylinders	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces; leaks; boot deteriorated; frozen	X		

Item	Defect	Classification		
		Major Minor		
		A	B	
Air compressor and air reservoir	Stage III corrosion on external surfaces; stage II corrosion on internal surfaces		X	
Cylinder actuating rods	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces	X		
	Stage II corrosion on internal surfaces; stage III corrosion on external surfaces		X	
	Stage IV corrosion	X		
	Stage III corrosion.....		X	
Lines, hoses and fittings	Stage II corrosion.....			X
Checked; cracked; kinked; split or cut; leaks; loss of flexibility	X			
POWER TRAIN:				
Transmission and torque converter	Stage III corrosion on internal surfaces; seals deteriorated; leaks	X		
Final drive	Stage II corrosion on internal surfaces; contaminated lubricant		X	
	Stage III corrosion on shafts, pinion, bearings or gears; deteriorated seals; leaks	X		
Differential	Stage II corrosion on shafts, pinions, bearings or gears; lubricant contaminated.....		X	
	Stage III corrosion on housing, gears, shafts, bearings or pinion deteriorated seals; leaks	X		
Transfer case	Stage II corrosion on gears, bearings or pinion; lubricant contaminated		X	
	Stage III corrosion on internal surfaces; deteriorated seals; leaks	X		
Stage II corrosion on internal surfaces; lubricant contaminated		X		
STEERING SYSTEM:				
Actuating cylinders	Stage IV corrosion; shaft bent or distorted; seals leaking	X		
Linkage	Stage III corrosion on shafts		X	
	Stage II corrosion on shafts	X		X
Gear case	Stage IV corrosion; bent or distorted		X	
	Stage III corrosion; frozen	X		X
Fluid reservoir	Stage II corrosion		X	
	Stage IV corrosion on internal surfaces; deteriorated seals; leaks.....	X		
	Stage III corrosion on internal surfaces		X	X
Stage II corrosion on internal surfaces		X		
Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces; leaks	X			
Stage II corrosion on internal surfaces; fluid contaminated		X		
DRIVE BELTS AND HOSES:				
Checking; cracking; broken reinforcing, frayed; cut; loss of flexibility and resiliency; fungus growth			X	
GEARS:				
Exposed	Chipped, cracked or broken; stage IV corrosion.....	X		
Enclosed	Stage III corrosion		X	
	Stage II corrosion			X
	Chipped, cracked or broken; stage III corrosion	X		
Stage II corrosion; lubricant contaminated		X		
PULLEYS AND DRIVE SPROCKETS:				
Cracked or broken; stage IV corrosion	X			
Stage III corrosion		X		
Stage II corrosion				X

Item	Defect	Classification		
		Major Minor		
		A	B	
DRIVE CHAINS: Precision	Stage III corrosion; cracked or broken links	X		
	Stage II corrosion; pins and/or rollers frozen		X	
Non-precision	Stage IV corrosion; cracked or broken links	X		
	Stage III corrosion; pins and/or rollers frozen		X	
	Stage II corrosion			X
BASIC ISSUE ITEMS (BII):	Missing	X		
	Deteriorated or damaged		X	
COMPONENTS AND ACCESSORIES:	Missing; incomplete	X		
	Deteriorated or damaged		X	
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken or distorted.....		X	
WARNING OR CAUTION PLATES:	Illegible; missing	X		
MODIFICATION WORK ORDER (MWO):				
Urgent classification	Not applied	X		
Routine classification	Not applied		X	
EQUIPMENT LOG BOOK (TM 38-750)	Missing	X		
	Incomplete		X	
DATA PLATES:	Illegible or missing			X
DEPRESERVATION GUIDE (DA FORM 2258):	Illegible or missing			X

APPENDIX III-G

ITEM DEFECTS FOR GRADING

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and / or fastening devices broken or missing	X		
	Dents	X		
Painted surfaces	Stage III corrosion: chipped or abraded	X		
	Stage II corrosion		X	
Unpainted noncritical surfaces-	Stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
CHASSIS:				
Frame	Cracked or broken welds; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Tires	Checks and cracks extending to the cord; cut or punctured; bulges indicating ply separation; chunking of rubber	X		
Wheels	Distorted; broken ; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Wheel bearings	Stage IV corrosion: lubricant contaminated	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Moldboard, moldboard slides, moldboard circle, drawbar, scarifier and lift linkage	Stage IV corrosion; bent or distorted; broken welds	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Front wheel leaning mechanism	Stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Pintle hook assembly	Stage III corrosion		X	
	Stage II corrosion			X
Battery compartment and tool box	Stage IV corrosion; hinges and latches broken	X		
Stage III corrosion	X			
	Stage II corrosion			X
STEERING SYSTEM:				
Actuating cylinders	Stage IV corrosion; shaft bent or distorted; seals leaking	X		
	Stage III corrosion on shafts	X		
	Stage II corrosion on shafts			X
Linkage	Stage IV corrosion; bent or distorted	X		
	Stage III corrosion; frozen		X	
	Stage II corrosion			X
Gear case	Stage IV corrosion on internal surfaces; deteriorated seals; leaks	X		
	Stage III corrosion on internal surfaces		X	
	Stage II corrosion on internal surfaces			X
Steering wheel	Bent; cracked or broken	X		
HYDRAULIC SYSTEM:				
Lines, hoses and fittings	Kinked; broken; leaks or seeps; checked or cracked; fungus growth: loss of flexibility	X		
Pump and/or fluid reservoir	Body cracked or broken: stage III corrosion	X		
	Stage II corrosion on internal surfaces		X	
Control levers	Bent; frozen; knobs cracked or broken	X		
Cylinders and valves	Stage III corrosion	X		
	Stage II corrosion on rods and / or internal surfaces of cylinders and valves		X	

APPENDIX III-G

ITEM DEFECTS FOR GRADING

Item	Defect	Classification		
		Major		Minor
		A	B	
Operating fluid	Contaminated.....		X	
Gaskets and seals	Deteriorated; leaks or seeps.....	X		
Filters	Stage III corrosion on internal surfaces.....	X		
	Stage II corrosion on internal surfaces; element contaminated.....		X	
POWER CONTROL UNIT:				
Control levers	Bent; frozen; knobs cracked or broken.....	X		
Housing	Stage III corrosion on internal surfaces.....	X		
	Stage II corrosion on internal surfaces; lubricant contaminated.....		X	
Clutches	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Drive shaft	Stage IV corrosion; distorted or broken.....	X		
	Stage II corrosion; shear pin broken.....		X	
	Stage II corrosion.....			X
ENGINE ASSEMBLY:				
Valves, rocker arm assembly and combustion chambers	Stage II corrosion.....	X		
	Stage I corrosion.....		X	
Piston assembly and cylinder walls	Stage II corrosion.....	X		
	Stage I corrosion.....		X	
Flywheel and ring gear	Stage IV corrosion; ring gear chipped, cracked or broken.....	X		
	Stage III corrosion.....		X	
Air cleaner	Stage II corrosion.....			X
	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Cooling system: Radiator	Stage IV corrosion on internal surfaces; leaks.....	X		
	Stage III corrosion on internal surfaces; coolant contaminated.....		X	
	Stage II corrosion on internal surfaces.....			X
Shutters and controls	Stage IV corrosion.....	X		
	Frozen; stage III corrosion.....		X	
	Stage II corrosion.....			X
Fan Blades broken; stage IV corrosion	X			
	Bent; stage II corrosion.....		X	
	Stage II corrosion.....			X
Cooling fins	Bent or otherwise damaged to the extent repair is required.....	X		
Seals and gaskets	Deteriorated; leaks or seeps.....	X		
Hoses and belts	Checking or cracking; frayed or cut; loss of flexibility; fungus growth; broken reinforcing.....		X	
Pulleys	Cracked; broken; stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Water pump	Stage IV corrosion on internal surfaces; frozen; leaks.....	X		
	Stage III corrosion on internal surfaces.....		X	
	Stage II corrosion on internal surfaces.....			X
Fuel system: Tanks: Internal surfaces	Stage III corrosion.....	X		
	Stage II corrosion.....			X
External surfaces	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Lines, hoses and connectors	Cracked or checked; kinked; broken; fungus growth.....	X		
Filters and sediment bowls	Stage IV corrosion on internal surfaces; cracked or broken.....	X		

APPENDIX III-G

ITEM DEFECTS FOR GRADERS

Item	Defect	Classification		
		Major		Minor
		A	B	
Carburetor, injectors or nozzles Seals Exhaust system: Rain cap Brackets and hangers Intake and exhaust manifolds, muffler and pipes	Stage III corrosion on internal surfaces; element deteriorated or contaminated	X		X
	Stage II corrosion on internal surfaces			
	Stage III corrosion; cracked or broken	x		
	Stage II corrosion; contaminated		X	
	Deteriorated; leaks or seeps	X		
	Stage IV corrosion; cracked, broken or missing	X		
	Stage III corrosion		X	
	Stage II corrosion			X
	Stage IV corrosion; cracked or broken	X		
	Stage III corrosion		X	
	Stage II corrosion			X
	Stage IV corrosion; punctured	X		
Stage III corrosion		X		
Stage II corrosion			X	
DRIVE BELTS AND HOSES:	Checking; cracking; broken reinforcing; frayed; cut; loss of flexibility and resiliency; fungus growth		X	
ELECTRICAL SYSTEM:				
Wiring	Broken strands; cracked insulation; fungus growth	X		
	Frayed; checked; loss of flexibility		X	
Terminals and connections	Stage III corrosion; broken terminals	X		
	Stage II corrosion			X
Spark plugs	Stage III corrosion on spark point end; ceramic insulator broken	X		
	Stage II corrosion on spark point end		X	
Switches, regulators, relays, magnetos and controllers	Stage III corrosion: broken; frozen	X		
	Stage II corrosion			X
Generator assemblies, electric motors and starters	Stage III corrosion; frozen	X		
	Stage II corrosion		X	
Lights and reflectors	Stage III corrosion; cracked or broken	X		
	Stage II corrosion		X	
LUBRICATION SYSTEM:				
Lines, hoses and fittings	Kinked; broken; leaks or seeps; checked or cracked; fungus growth	X		
Filters	Stage III corrosion on internal or external surfaces	X		
	Stage II corrosion on internal surfaces; element deteriorated or contaminated		X	
	Contaminated		X	
Lubricant	Deteriorated; leaks or seeps	X		
Seals	Dry			X
Lubrication points				
CONTROLS AND INSTRUMENTS:				
	Stage III corrosion; cracked or broken; inoperable; dial face illegible	X		
	Stage II corrosion; linkage frozen		X	
GOVERNORS:				
	Stage IV corrosion; linkage broken	X		
	Stage III corrosion; linkage frozen		X	
	Stage II corrosion			X
CLUTCH ASSEMBLY:				
Bearings, shafts, linkage and springs	Stage III corrosion; frozen	X		

APPENDIX III-G

ITEM DEFECTS FOR GRADERS

Item	Defect	Classification		
		Major		Minor
		A	B	
Metal disks and plates	Stage II corrosion		X	
Fiber disks and bands	Stage III corrosion	X		
Lubricant	Stage II corrosion		X	
	Deteriorated: punctured or torn	X		
	Contaminated		X	
BRAKE ASSEMBLY:				
Drum and/ or shoes	Stage IV corrosion	X		
	Stage III corrosion		X	
Springs, anchors, cable, yokes and / or linkage	Stage II corrosion			X
	Stage IV corrosion; distorted or broken	X		
	Stage III corrosion; frozen		X	
Fluid reservoirs, wheel and master cylinders	Stage II corrosion			X
	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces; leaks; boots deteriorated; frozen	X		
Cylinder actuating rods	Stage III corrosion on external surfaces; stage II corrosion on internal surfaces		X	
	Stage IV corrosion	X		
	Stage III corrosion		X	
Lines, hoses and fittings	Stage II corrosion			X
Parking brake	Checked; cracked; kinked; split or cut; leaks; loss of flexibility	X		
	Stage IV corrosion; bent or broken	X		
	Stage III corrosion; frozen		X	
	Stage II corrosion			X
POWER TRAIN:				
Transmission (standard)	Stage III corrosion on internal surfaces; seals deteriorated; leaks	X		
	Stage II corrosion on internal surfaces; contaminated lubricant		X	
Final drive	Stage III corrosion on shafts, pinion, bearings or gears; deteriorated seals, leaks	X		
	Stage II corrosion on shafts, pinion, bearings or gears; lubricant contaminated		X	
Gear cases and gear housings	Stage III corrosion on internal surfaces; seals deteriorated; leaks	X		
	Stage II corrosion on internal surfaces; contaminated lubricant		X	
Tandem housings	Stage III corrosion on internal surfaces; pins and/or rollers frozen; cracked or broken links; seals deteriorated; leaks	X		
	Stage II corrosion on internal surfaces; lubricant contaminated		X	
Transfer case	Stage III corrosion on internal surfaces; deteriorated seals; leaks	X		
	Stage II corrosion on internal surfaces; lubricant contaminated		X	
Air breathers	Stage IV corrosion on internal surfaces; contaminated	X		
	Stage III corrosion on internal surfaces		X	
Control levers	Stage II corrosion on internal surfaces			X
	Bent; frozen; knobs cracked or broken	X		
CAB:				
Glass	Broken or cracked	X		
Hinges and latches	Broken; stage IV corrosion	X		
	Stage III corrosion; frozen		X	
	Stage II corrosion			X
Mirrors	Glass broken or cracked; stage III corrosion		X	
	Stage II corrosion			X
Wiper blades and arms	Rubber hardened, checked, cracked or torn; fungus growth; stage III corrosion		X	
	Stage II corrosion			X
Seat cushions	Punctured or torn; mildew or fungus growth; insect infested		X	
Seat adjusters	Stage III corrosion		X	
	Stage II corrosion			X

APPENDIX III-G

ITEM DEFECTS FOR GRADERS

Item	Defect	Classification		
		Major		Minor
		A	B	
WINTERIZATION COMPONENTS:				
Heaters (coolant, cab and battery)	Stage IV corrosion on interior surface; cracks, breaks or kinks in lines or flexible tubing.....	X		
	Stage III corrosion on interior surfaces.....		X	
Heater fuel system	Stage II corrosion on interior surfaces.....			X
	Stage IV corrosion on interior surfaces of fuel tank and pump.....	X		
	Stage III corrosion on interior surfaces.....		X	
Coolant pump	Stage II corrosion on interior surfaces.....			X
	Stage IV corrosion on interior surfaces; fittings and lines leaking; cracks, breaks or kinks in lines.....	X		
	Stage III corrosion on interior surfaces.....		X	
	Stage II corrosion on interior surfaces.....			X
BASIC ISSUE ITEMS (BII):	Missing.....	X		
	Deteriorated or damaged.....		X	
COMPONENTS AND ACCESSORIES:	Missing; incomplete.....	X		
	Deteriorated or damaged.....		X	
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken or distorted.....		X	
WARNING OR CAUTION PLATES:	Illegible; missing.....	X		
MODIFICATION WORK ORDER (MWO):				
Urgent classification	Not applied.....	X		
Routine classification	Not applied.....		X	
EQUIPMENT LOG BOOK (TM 38-750):	Missing.....	X		
	Incomplete.....		X	
DATA PLATES:	Illegible or missing.....			X
DEPRESERVATION GUIDE (DA FORM 2258:)	Illegible or missing.....			X

APPENDIX III-H

ITEM DEFECTS FOR LOADERS

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and / or fastening devices broken or missing.....	X		
	Dents		X	
Painted surfaces	Stage III corrosion; chipped or abraded	X		
	Stage II corrosion		X	
Unpainted noncritical surfaces	Stage IV corrosion.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
CHASSIS:				
Frame and springs	Cracked or broken welds; stage IV corrosion.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Tires	Checks and cracks extending to the cord; cut or punctured; bulges indicating ply separation; chunking of rubber	X		
Wheels	Distorted; broken; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Tracks	Stage IV corrosion.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
BOOMS, BUCKETS AND TINES (FORKS):				
	Stage IV corrosion; boom pivot pins frozen; tines bent or distorted	X		
	Stage III corrosion		X	
STEERING SYSTEM:				
Actuating cylinders	Stage IV corrosion; shaft bent or distorted; seals leaking.....	X		
	Stage III corrosion on shafts		X	
	Stage II corrosion on shafts			X
Linkage	Stage IV corrosion; bent or distorted.....	X		
	Stage III corrosion; frozen		X	
	Stage II corrosion			X
Gear case	Stage IV corrosion on internal surfaces, deteriorated seals; leaks	X		
	Stage III corrosion on internal surfaces.....		X	
	Stage II corrosion on internal surfaces.....			X
Fluid reservoir	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces; leaks.....	X		
	Stage II corrosion on internal surfaces; fluid contaminated.....		X	
ENGINE ASSEMBLY:				
Valves, rocker arm assembly and combustion chambers	Stage II corrosion	X		
	Stage I corrosion		X	
Piston assembly and cylinder walls	Stage II corrosion	X		
	Stage I corrosion		X	
Flywheel and ring gear	Stage IV corrosion; ring gear chipped, cracked or broken.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Air cleaner	Stage IV corrosion.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X

APPENDIX III-H

ITEM DEFECTS FOR LOADERS

Item	Defect	Classification		
		Major		Minor
		A	B	
Cooling system:				
Radiator	Stage IV corrosion on internal surfaces; leaks	X		
	Stage III corrosion on internal surfaces; coolant contaminated		X	
	Stage II corrosion on internal surfaces			X
Shutters and controls	Stage IV corrosion.....	X		
	Frozen; stage III corrosion.....		X	
	Stage II corrosion			X
Fan	Blades broken; stage IV corrosion	X		
	Bent; stage III corrosion		X	
	Stage II Corrosion			X
Cooling fins	Bent or otherwise damaged to the extent repair is required.....		X	
Seals and gaskets	Deteriorated; leaks or seeps.....	X		
Hoses and belts	Checking or cracking; frayed or cut; loss of flexibility; fungus growth: broken reinforcing		X	
Pulleys	Cracked; broken; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Water pump	Stage IV corrosion on internal surfaces; frozen; leaks	X		
	Stage III corrosion on internal surfaces.....		X	
	Stage II corrosion on internal surfaces.....			X
Fuel system:				
Tanks:				
Internal surfaces	Stage III corrosion	X		
	Stage II corrosion, coating peeling or flaking.....		X	
External surfaces	Stage IV corrosion.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Lines, hoses and connectors	Cracked or checked; kinked; broken; fungus growth	X		
Filters and sediment bowls	Stage IV corrosion on internal surfaces; cracked or broken	X		
	Stage III corrosion on internal surfaces; element deteriorated or contaminated.....		X	
	Stage II corrosion on internal surfaces.....			X
Primer pump	Stage III corrosion on internal surfaces; frozen	X		
	Stage II corrosion on internal surfaces.....		X	
Carburetor, injectors or nozzles	Stage III corrosion; cracked or broken	X		
	Stage II corrosion; contaminated.....		X	
Seals	Deteriorated; leaks or seeps.....	X		
Exhaust system:				
Rain cap	Stage IV corrosion; cracked, broken or missing.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Brackets and hangers	Stage IV corrosion; cracked or broken	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Intake and exhaust mani- folds, muffler and pipes	Stage IV corrosion; punctured.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
TURBOCHARGER:				
	Stage II corrosion on internal surfaces.....	X		
	Stage II corrosion on internal surfaces.....		X	
ELECTRICAL SYSTEM:				
Wiring	Broken strands; cracked insulation; fungus growth.....	X		
	Frayed; checked; loss of flexibility		X	
Terminals and connections	Stage III corrosion; broken terminals.....	X		
	Stage II corrosion		X	

APPENDIX III-H

ITEM DEFECTS FOR LOADERS

Item	Defect	Classification		
		Major		Minor
		A	B	
Spark plugs Switches, regulators, relays, magnetos and controllers Generator assemblies, electric motors and starters Lights and reflectors	Stage III corrosion on spark point end; ceramic insulator broken		X	
	Stage II corrosion on spark point end			X
	Stage III corrosion; broken; frozen	X		
	Stage II corrosion		X	
	Stage III corrosion; frozen	X		
	Stage II corrosion		X	
LUBRICATION SYSTEM: Lines, hoses and fittings Filters Lubricant Seals	Kinked; broken; leaks or seeps; checked or cracked; fungus growth	X		
	Stage III corrosion on internal or external surfaces	X		
	Stage II corrosion on internal surfaces; element deteriorated or contaminated		X	
	Contaminated		X	
CONTROLS AND INSTRUMENTS:	Stage III corrosion; cracked or broken; inoperable; dial face illegible	X		
	Stage II corrosion; linkage frozen		X	
GOVERNORS:	Stage IV corrosion; linkage broken	X		
	Stage III corrosion; linkage frozen		X	
	Stage II corrosion			X
HYDRAULIC SYSTEM: Lines, hoses and fittings Pump and/ or fluid reservoir Cylinders and valves Operating fluid Gaskets and seals Filters	Kinked; broken; leaks or seeps; checked or cracked; fungus growth; loss of flexibility	X		
	Body cracked or broken; stage III corrosion	X		
	Stage II corrosion on internal surfaces		X	
	Stage III corrosion	X		
	Stage II corrosion on rods and / or internal surfaces of cylinders and valves		X	
	Contaminated		X	
	B Deteriorated; leaks or seeps	X		
	Stage III corrosion on internal surfaces	X		
Stage II corrosion on internal surfaces; element contaminated		X		
CLUTCH ASSEMBLY: Bearings, shafts, linkage and springs Metal disks and plates Fiber disks and bands Lubricant	Stage III corrosion; frozen	X		
	Stage II corrosion		X	
	Stage III corrosion	X		
	Stage II corrosion		X	
	Deteriorated; punctured or torn	X		
BRAKE ASSEMBLY: Drum and/or shoes Springs, anchors, cable, yokes and/, or linkage	Stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
	Stage IV corrosion; distorted or broken	X		
	Stage III corrosion; frozen		X	
	Stage II corrosion			X

APPENDIX III-H

ITEM DEFECTS FOR LOADERS

Item	Defect	Classification		
		Major		Minor
		A	B	
Fluid reservoirs, wheel and master cylinders	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces; leaks; boots deteriorated; frozen	X		
Air compressor and air reservoir	Stage III corrosion on external surfaces; stage II corrosion on internal surfaces.....		X	
Cylinder actuating rods	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces.....	X		
Lines, hoses and fittings	Stage II corrosion on external surfaces.....		X	
	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
	Checked; cracked; kinked; split or cut; leaks; loss of flexibility.....	X		
POWER TRAIN:				
Transmission and converter	Stage III corrosion on internal surfaces; seals deteriorated; leaks.....	X		
Final drive	Stage II corrosion on internal surfaces; contaminated lubricant		X	
Differential	Stage III corrosion on internal surfaces; seals deteriorated; leaks.....	X		
Planetary drives	Stage II corrosion on internal surfaces; contaminated lubricant		X	
	Stage III corrosion on internal surfaces; seals deteriorated.....	X		
	Stage II corrosion on internal surfaces; contaminated lubricant		X	
DRIVE BELTS AND HOSES:	Checking; cracking; broken reinforcing; frayed; cut; loss of flexibility and resiliency; fungus growth		X	
GEARS:				
Exposed	Chipped, cracked or broken; stage IV corrosion	X		
	Stage III corrosion		X	
Enclosed	Stage II corrosion			X
	Chipped, cracked or broken; stage III corrosion.....	X		
	Stage II corrosion; lubricant contaminated		X	
PULLEYS, DRIVE SPROCKETS AND IDLERS:	Cracked or broken; stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
DRIVE CHAINS:				
Precision	Stage III corrosion; cracked or broken links	X		
	Stage II corrosion; pins and/or rollers frozen.....		X	
Non-precision	Stage IV corrosion; cracked or broken links.....	X		
	Stage III corrosion; pins and /or rollers frozen.....		X	
	Stage II corrosion.....			X
CAB:				
Glass	Broken or cracked.....	X		
Hinges and latches	Broken; stage IV corrosion.....	X		
	Stage III corrosion; frozen		X	
	Stage II corrosion			X
Mirrors	Glass broken or cracked; stage III corrosion.....		X	
	Stage II corrosion.....			X
Wiper blades and arms	Rubber hardened, checked, cracked or torn; fungus growth; stage III corrosion.....		X	
	Stage II corrosion.....			X
Upholstering and cushions	Punctured or torn; mildew or fungus growth; insect infested		X	

APPENDIX III-H

ITEM DEFECTS FOR LOADERS

Item	Defect	Classification		
		Major		Minor
		A	B	
Heaters	Stage II corrosion			X
	Stage III corrosion on internal surfaces.....	X		
	Stage II corrosion on internal surfaces.....		X	
HORNS, ELECTRIC AND AIR:	Stage III corrosion		X	
	Stage II corrosion			X
BASIC ISSUE ITEMS (BIL):	Missing.....	X		
	Deteriorated or damaged.....		X	
COMPONENTS AND ACCESSORIES:	Missing; incomplete	X		
	Deteriorated or damaged.....		X	
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken or distorted		X	
WARNING OR CAUTION PLATES:	Illegible; missing.....	X		
MODIFICATION WORK ORDER (MWO):	Urgent classification			
	Routine classification	X		
EQUIPMENT LOG BOOK ITM 38-7501:	Missing.....	X		
	Incomplete.....		X	
DATA PLATES:	Illegible; missing.....			X
DEPRESERVATION GUIDE (DA FORM 22581:	Illegible or missing.....			X

APPENDIX III-I

ITEM DEFECTS FOR DITCHING MACHINES

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and / or fastening devices broken or missing.....	X		
Painted surfaces	Dents		X	
Unpainted noncritical surfaces	Stage III corrosion; chipped or abraded	X		
	Stage II corrosion		X	
	Stage IV corrosion.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
CHASSIS:				
Frame	Cracked or broken welds; stage IV corrosion.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Tires	Checks and cracks extending to the cord; cut or punctured; bulges indicating ply separation; chunking of rubber.....	X		
Wheels	Distorted; broken; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Tracks	Stage IV corrosion.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
BOOM ASSEMBLY:				
Frame	Stage IV corrosion; broken welds or beams.....	X		
	Stage III corrosion		X	
Sheaves	Stage IV corrosion; cracked, broken or frozen	X		
	Stage III corrosion		X	
Buckets	Stage I V corrosion; broken welds or chipped teeth; adjusting screws or pins frozen	X		
	Stage III corrosion		X	
Wire Rope	Stage IV corrosion; broken strands.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
CONVEYOR ASSEMBLY:				
Frame	Stage IV corrosion; broken welds or frame; adjusting screws, pulleys or rollers frozen	X		
	Stage III corrosion		X	
Conveyor Belt	Checking; cracking; broken reinforcing; frayed; cut; loss of flexibility and resiliency; fungus growth.....	X		
STEERING SYSTEM:				
Actuating cylinders	Stage IV corrosion; shaft bent or distorted; seals leaking.....	X		
	Stage III corrosion on shafts		X	
	Stage III corrosion on shafts			X
Linkage	Stage IV corrosion; bent or distorted.....	X		
	Stage III corrosion; frozen		X	
	Stage II corrosion			X
Gear case	Stage IV corrosion on internal surfaces; deteriorated seals; leaks	X		
	Stage III corrosion on internal surfaces.....		X	
	Stage II corrosion on internal surfaces.....			X
Fluid reservoir	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces: leaks.....	X		
	Stage II corrosion on internal surfaces; fluid contaminated.....		X	

APPENDIX III-I

ITEM DEFECTS FOR DITCHING MACHINES

Item	Defect	Classification		
		Major		Minor
		A	B	
ENGINE ASSEMBLY:				
Valves, rocker arm assembly and combustion chambers	Stage II corrosion	X		
	Stage I corrosion		X	
Piston assembly and cylinder walls	Stage II corrosion	X		
	Stage I corrosion		X	
Flywheel and ring gear	Stage IV corrosion; ring gear chipped, cracked or broken.....	X		
	Stage III corrosion		X	
Air cleaner	Stage II corrosion			X
	Stage IV corrosion.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Cooling system: Radiator	Stage IV corrosion on internal surfaces; leaks	X		
	Stage III corrosion on internal surfaces; coolant contaminated		X	
	Stage II corrosion on internal surfaces.....			X
Shutters and controls	Stage IV corrosion.....	X		
	Frozen; stage III corrosion.....		X	
Fan	Stage II corrosion			X
	Blades broken; stage IV corrosion	X		
	Bent: stage III corrosion		X	
	Stage II corrosion			X
Cooling fins	Bent or otherwise damaged to the extent repair is required.....		X	
Seals and gaskets	Deteriorated; leaks or seeps.....	X		
Hoses and belts	Checking or cracking; frayed or cut; loss of flexibility; fungus growth; broken reinforcing		X	
Pulleys	Cracked; broken; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Water pump	Stage IV corrosion on internal surfaces; frozen; leaks	X		
	Stage III corrosion on internal surfaces.....		X	
	Stage II corrosion on internal surfaces.....			X
Fuel system: Tanks:				
Internal surfaces	Stage III corrosion	X		
	Stage II corrosion; coating peeling or flaking.....		X	
External surfaces	Stage IV corrosion.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Lines, hoses and connectors	Cracked or checked; kinked; broken: fungus growth	X		
Filters and sediment bowls	Stage IV corrosion on internal surfaces; cracked or broken.....	X		
	Stage III corrosion on internal surfaces; element deteriorated or contaminated		X	
	Stage II corrosion on internal surfaces.....			X
Primer pump	Stage II corrosion on internal surfaces; frozen.....	X		
	Stage II corrosion on internal surfaces.....		X	
Carburetor, injectors or nozzles	Stage III corrosion; cracked or broken.....	X		
	Stage II corrosion; contaminate d.....		X	
Seals	Deteriorated; leaks or seeps.....	X		
Exhaust system: Rain cap	Stage IV corrosion; cracked, broken or missing.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Brackets and hangers	Stage IV corrosion; cracked or broken.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X

APPENDIX III-I

ITEM DEFECTS FOR DITCHING MACHINES

Item	Defect	Classification		
		Major		Minor
		A	B	
Intake and exhaust manifolds, muffler and pipes	Stage IV corrosion; punctured..... X Stage III corrosion X Stage II corrosion X			X
TURBOCHARGER:	Stage III corrosion on internal surfaces..... X Stage II corrosion on internal surfaces..... X		X	
LUBRICATION SYSTEM: Lines, hoses and fittings Filters Lubricant Seals	Kinked; broken; leaks or seeps; checked or cracked; fungus growth..... X Stage III corrosion on internal or external surfaces X Stage II corrosion on internal surfaces; element deteriorated or contaminated X Contaminated..... X Deteriorated; leaks or seeps..... X		X	
ELECTRICAL SYSTEM: Wiring Terminals and connections Spark plugs Switches, regulators, relays, magnetos and controllers	Broken strands; cracked insulation; fungus growth..... X Frayed; checked; loss of flexibility X Stage III corrosion; broken terminals..... X Stage II corrosion X Stage III corrosion on spark point end; ceramic insulator broken X Stage II corrosion on spark point end..... X Stage III corrosion; broken; frozen X Stage II corrosion X		X X X X	X
CONTROLS AND INSTRUMENTS:	Stage III corrosion; cracked or broken; inoperable; dial face illegible X Stage II corrosion; linkage frozen X		X	
GOVERNORS:	Stage IV corrosion; linkage broken..... X Stage III corrosion; linkage frozen X Stage II corrosion X		X	X
HYDRAULIC SYSTEM: Lines, hoses and fittings Pump and/or fluid reservoir Cylinders and valves Operating fluid Gaskets and seals Filters	Kinked; broken; leaks or seeps; checked or cracked; fungus growth; loss of flexibility X Body cracked or broken; stage III corrosion X Stage II corrosion on internal surfaces..... X Stage III corrosion X Stage II corrosion on rods and / or internal surfaces of cylinders and valves X Contaminated..... X Deteriorated; leaks or seeps..... X Stage III corrosion on internal surfaces..... X Stage II corrosion on internal surfaces; element contaminated X		X X X X	
CLUTCH ASSEMBLY: Bearings, shafts, linkage and springs Metal disks and plates Fiber disks and bands Lubricant	Stage III corrosion; frozen X Stage II corrosion X Stage III corrosion X Stage II corrosion X Deteriorated; punctured or torn X Contaminated..... X		X X X X	

APPENDIX III-I

ITEM DEFECTS FOR DITCHING MACHINES

Item	Defect	Classification		
		Major		Minor
		A	B	
BRAKE ASSEMBLY:				
Drum and/or shoes	Stage IV corrosion..... X Stage III corrosion X Stage II corrosion X			X
Springs, anchors, cable, yokes and/or linkage	Stage IV corrosion; distorted or broken X Stage III corrosion; frozen X Stage II corrosion X			X
Air compressor and air reservoir	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces..... X Stage II corrosion on internal surfaces; stage III corrosion on external surfaces..... X			
Air brake chambers	Stage IV corrosion on internal surfaces; linkage broken X Stage III corrosion on internal surfaces; linkage frozen..... X Stage III corrosion on internal surfaces..... X			X
Lines, hoses and fittings	Checked; cracked; kinked; split or cut; leaks; loss of flexibility..... X			
POWER TRAIN:				
Transmission and converter	Stage III corrosion on internal surfaces; seals deteriorated; leaks..... X Stage II corrosion on internal surfaces; contaminated lubricant X			
Final drive	Stage III corrosion on internal surfaces; seals deteriorated ; leaks..... X Stage II corrosion on internal surfaces; contaminated lubricant X			
Differential	Stage III corrosion on internal surfaces; seals deteriorated; leaks..... X Stage II corrosion on internal surfaces; contaminated lubricant X			
Transfer case	Stage III corrosion on internal surfaces; deteriorated seals; leaks..... X Stage II corrosion on internal surfaces; lubricant contaminated X			
DRIVE BELTS AND HOSES:	Checking; cracking; broken reinforcing; frayed cut; loss of flexibility and resiliency; fungus growth..... X			
GEARS:				
Exposed	Chipped, cracked or broken; stage IV corrosion X Stage III corrosion X Stage II corrosion X			X
Enclosed	Chipped, cracked or broken; stage III corrosion..... X Stage II corrosion; lubricant contaminated X			
PULLEYS, DRIVE SPROCKETS AND IDLERS:	Cracked or broken; stage IV- corrosion..... X Stage III corrosion X Stage II corrosion X			X
DRIVE CHAINS:				
Precision	Stage III corrosion; cracked or broken links X Stage II corrosion; pins and/or rollers frozen X			
Non-precision	Stage IV corrosion; cracked or broken links..... X Stage III corrosion; pins and / or rollers frozen..... X Stage II corrosion X			X
CAB:				
Glass	Broken or cracked X Broken; stage IV corrosion..... X Stage III corrosion; frozen X Stage II corrosion X			
Hinges and latches				
Mirrors	Glass broken or cracked; stage III corrosion..... X Stage II corrosion X			X

APPENDIX III-I

ITEM DEFECTS FOR DITCHING MACHINES

Item	Defect	Classification		
		Major		Minor
		A	B	
Wiper blades and arms	Rubber hardened, checked, cracked or torn; fungus growth: Stage III corrosion.....		X	
	Stage II corrosion.....		X	
Canvas top and seat cushions	Punctured or torn; mildew or fungus growth; insect infested Stage III corrosion.....		X	
Seat adjusters	Stage II corrosion.....	X		
Heaters	Stage III corrosion on internal surfaces..... Stage II corrosion on internal surfaces.....		X X	
HORNS, ELECTRIC AND AJR:	Stage III corrosion..... Stage II corrosion.....		X	X
BASIC ISSUE ITEMS (BILI):	Missing..... Deteriorated or damaged.....	X	X	
COMPONENTS AND ACCESSORIES:	Missing; incomplete..... Deteriorated or damaged.....	X	X	
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken or distorted.....		X	
WARNING OR CAUTION PLATES:	Illegible; missing.....	X		
MODIFICATION WORK ORDER (MWO):	Urgent classification Not applied..... Routine classification Not applied.....	X	X	
EQUIPMENT LOG BOOK: (TM 38-750):	Missing..... Incomplete.....	X	X	
DATA PLATES:	Illegible; missing.....			X
DEPRESERVATION GUIDE (DA FORM 2258):	Illegible or missing.....			X

APPENDIX III-J

ITEM DEFECTS FOR DUMP TRUCKS

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and/or fastening devices broken or missing	x		
Painted surfaces	Dents		x	
Unpainted noncritical surfaces	Stage III corrosion; chipped or abraded	x		
	Stage II corrosion		x	
	Stage IV corrosion.....	x		
	Stage III corrosion		x	
	Stage II corrosion			x
CHASSIS:				
Frame and springs	Cracked or broken welds; stage IV corrosion.....	x		
	Stage III corrosion		x	
	Stage II corrosion			x
Tires	Checks and cracks extending to the cord: cut or punctured: bulges indicating ply separation; chunking of rubber.....	x		
Wheels	Distorted; broken; stage IV corrosion	x		
	Stage III corrosion		x	
	Stage II corrosion			x
STEERING SYSTEM:				
Actuating cylinders	Stage IV corrosion; shaft bent or distorted: seals leaking.....	x		
	Stage III corrosion on shafts		x	
	Stage II corrosion on shafts			x
Linkage	Stage IV corrosion: bent or distorted.....	x		
	Stage III corrosion: frozen		x	
	Stage II corrosion			x
Gear case	Stage IV corrosion on internal surfaces; deteriorated seals; leaks.....	x		
	Stage III corrosion on internal surfaces.....		x	
	Stage II corrosion on internal surfaces.....			x
Fluid reservoir	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces: leaks.....	x		
	Stage II corrosion on internal surfaces; fluid contaminated		x	
ENGINE ASSEMBLY:				
Valves, rocker arm assembly and combustion chambers	Stage II corrosion	x		
	Stage I corrosion		x	
Piston assembly and cylinder walls	Stage II corrosion	x		
	Stage I corrosion		x	
Flywheel and ring gear	Stage IV corrosion; ring gear chipped. cracked or broken.....	x		
	Stage III corrosion		x	
	Stage II corrosion			x
Air cleaner	Stage IV corrosion.....	x		
	Stage III corrosion		x	
	Stage II corrosion			x
Cooling system:				
Radiator	Stage IV corrosion on internal surfaces; leaks	x		
	Stage III corrosion on internal surfaces: coolant contaminated.....	x		
	Stage II corrosion on internal surfaces.....		x	
Shutters and controls	Stage IV corrosion.....	x		
	Frozen; stage III corrosion.....		x	
	Stage II corrosion			x

APPENDIX III-J

ITEM DEFECTS FOR DUMP TRUCKS

Item	Defect	Classification		
		Major		Minor
		A	B	
Fan	Blades broken; stage IV corrosion x			
	Bent; stage III corrosion x	x		
	Stage II corrosion x			x
Cooling fins	Bent or otherwise damaged to the extent repair is required..... x	x		
Seals and gaskets	Deteriorated; leaks or seeps..... x			
Hoses and belts	Checking or cracking; frayed or cut; loss of flexibility; fungus growth; broken reinforcing..... x	x		
Pulleys	Cracked; broken; stage IV corrosion x	x		
	Stage III corrosion x			
	Stage II corrosion x			x
Water pump	Stage IV corrosion on internal surfaces; frozen; leaks x	x		
	Stage III corrosion on internal surfaces..... x			
	Stage II corrosion on internal surfaces.....			x
Fuel system:				
Tanks:				
Internal surfaces	Stage III corrosion x			
	Stage II corrosion: coating peeling or flaking..... x	x		
External surfaces	Stage IV corrosion..... x			
	Stage III corrosion x	x		
	Stage II corrosion x			x
Lines, hoses and connectors	Cracked or checked: kinked; broken; fungus growth x			
Filters and sediment bowls	Stage IV corrosion on internal surfaces; cracked or broken x			
	Stage III corrosion on internal surfaces; element deteriorated or contaminated..... x	x		
	Stage II corrosion on internal surfaces..... x			x
Primer pump	Stage III corrosion on internal surfaces; frozen x			
	Stage II corrosion on internal surfaces..... x	x		
Injectors or nozzles	Stage III corrosion: cracked or broken..... x			
	Stage II corrosion; contaminated..... x	x		
Seals	Deteriorated; leaks or seeps..... x			
Exhaust system:				
Rain cap	Stage IN corrosion; cracked; broken or missing..... x			
	Stage III corrosion x	x		
	Stage II corrosion x			x
Brackets and hangers	Stage IV corrosion: cracked or broken x			
	Stage III corrosion x	x		
	Stage II corrosion x			x
Intake and exhaust manifolds, mufflers and pipes	Stage I corrosion; punctured x			
	Stage III corrosion x	x		
	Stage II corrosion x			
x				
BLOWER ASSEMBLY:	Stage III corrosion on internal surfaces x			
	Stage II corrosion on internal surfaces..... x	x		
TURBOCHARGER:	Stage III corrosion on internal surfaces..... x			
	Stage II corrosion on internal surfaces..... x	x		
ELECTRICAL SYSTEM:				
Wiring	Broken strands; cracked insulation; fungus growth..... x			
	Frayed; checked; loss of flexibility x	x		
Terminals and connections	Stage III corrosion; broken terminals..... x			
	Stage II corrosion x	x		
Switches, regulators, relays and circuit breakers	Stage III corrosion: broken; frozen x			
	Stage II corrosion x	x		

APPENDIX III-J

ITEM DEFECTS FOR DUMP TRUCKS

Item	Defect	Classification		
		Major		Minor
		A	B	
Generator assemblies, alternators and starters	Stage III corrosion; frozen	x		
Lights and reflectors	Stage II corrosion		x	
	Stage III corrosion; cracked or broken.....		x	
	Stage II corrosion			x
LUBRICATION SYSTEM:				
Lines, hoses and fittings	Kinked: broken; leaks or seeps; checked or cracked; fungus growth	x		
Filters	Stage III corrosion on internal or external surfaces	x		
	Stage II corrosion on internal surfaces; element deteriorated or contaminated.....		x	
Lubricant	Contaminated.....		x	
	Seals	Deteriorated; leaks or seeps.....	x	
CONTROLS AND INSTRUMENTS:				
	Stage III corrosion: cracked or broken; inoperable: dial face illegible	x		
	Stage II corrosion: linkage frozen		x	
GOVERNORS:				
	Stage INV corrosion on internal surfaces; linkage broken.....	x		
	Stage III corrosion on internal surfaces; linkage frozen.....		x	
	Stage II corrosion on internal surfaces.....			x
HYDRAULIC SYSTEM:				
Lines, hoses and fittings	Kinked; broken: leaks or seeps: checked or cracked: fungus growth; loss of flexibility.....	x		
Pump and/or fluid reservoir	Body cracked or broken: stage III corrosion	x		
	Stage II corrosion on internal surfaces.....		x	
Cylinders and valves	Stage III corrosion	x		
	Stage II corrosion on rods and / or internal surfaces of cylinders and valves		x	
Operating fluid	Contaminated.....		x	
	Gaskets and seals	Deteriorated; leaks or seeps.....	x	
Filters	Stage III corrosion on internal surfaces.....	x		
	Stage II corrosion on internal surfaces; element contaminated		x	
CLUTCH ASSEMBLY:				
Bearings, shafts, linkage and springs	Stage III corrosion; frozen	x		
	Stage II corrosion		x	
Metal disks and plates	Stage III corrosion	x		
	Stage II corrosion		x	
Fiber disks and bands	Deteriorated: punctured or torn	x		
Lubricant Contaminated	.....	x		
BRAKE ASSEMBLY:				
Drum and/or shoes	Stage IV corrosion.....	x		
	Stage III corrosion		x	
	Stage II corrosion			x
Springs, anchors, cable, yokes and/or linkage	Stage IV corrosion: distorted or broken	x		
	Stage III corrosion: frozen		x	
	Stage II correction			x
Fluid reservoirs, wheel and master cylinders	Stage III corrosion on internal surface; stage IV corrosion on external surfaces; leaks; boots deteriorated; frozen	x		

APPENDIX III-J

ITEM DEFECTS FOR DUMP TRUCKS

Item	Defect	Classification		
		Major		Minor
		A	B	
Air compressor and air reservoir	Stage III corrosion on external surfaces; stage II corrosion on internal surfaces.....		x	
	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces.....	x		
Air brake chambers	Stage II corrosion on internal surfaces; stage III corrosion on external surfaces.....		x	
	Stage IV corrosion on internal surfaces; linkage broken	x		
Lines, hoses and fittings	Stage III corrosion on internal surfaces; linkage frozen.....		x	
	Stage II corrosion on internal surfaces.....			x
Checked; cracked, kinked; split or cut; loss of flexibility.....		x		
POWER TRAIN:				
Transmission and converter	Stage III corrosion on internal surfaces; seals deteriorated; leaks.....	x		
Final drive	Stage III corrosion on internal surfaces; contaminated lubricant		x	
	Stage III corrosion on internal surfaces; seals deteriorated; leaks.....	x		
Differential	Stage II corrosion on internal surfaces; contaminated lubricant		x	
	Stage III corrosion on internal surfaces; seals deteriorated; leaks.....	x		
Planetary drives	Stage II corrosion on internal surfaces; contaminated lubricant		x	
	Stage III corrosion on internal surfaces; seals deteriorated.....	x		
ENCLOSED GEARS:	Stage II corrosion on internal surfaces; contaminated lubricant		x	
	Chipped, cracked or broken; stage III corrosion.....	x		
DRIVE BELTS AND HOSES:	Stage II corrosion; lubricant contaminated		x	
	Checking: cracking: broken reinforcing: frayed; cut; loss of flexibility and resiliency; fungus growth		x	
CAB:				
Glass	Broken or cracked.....	x		
	Hinges and latches	Broken; stage IV corrosion.....	x	
Mirrors	Stage III corrosion; frozen		x	
	Stage II corrosion			x
Wiper blades and arms	Glass broken or cracked; stage III corrosion.....	x		
	Stage II corrosion			x
Upholstering and cushions	Rubber hardened, checked, cracked, or torn; fungus growth; stage III corrosion.....		x	
	Stage II corrosion			x
Seat adjusters	Punctured or torn; mildew or fungus growth; insect infested		x	
	Stage III corrosion		x	
Heaters	Stage II corrosion			x
	Stage III corrosion on internal surfaces.....	x		
HORNS, ELECTRIC AND AIR:	Stage II corrosion on internal surfaces.....		x	
	Stage III corrosion		x	
BASIC ISSUE ITEMS (BILI):	Stage II corrosion			x
	Missing.....	x		
	Deteriorated or damaged.....		x	

APPENDIX III-J

ITEM DEFECTS FOR DUMP TRUCKS

Item	Defect	Classification		
		Major		Minor
		A	B	
COMPONENTS AND ACCESSORIES:	Missing; incomplete x			
	Deteriorated or damaged.....	X		
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken or distorted.....	x		
WARNING OR CAUTION-PLATES:	Illegible; missing..... x			
MODIFICATION WORK ORDER (MWO):				
Urgent classification	Not applied..... x			
Routine classification	Not applied.....	x		
EQUIPMENT LOG BOOK (TM-38-7501):	Missing..... x			
	Incomplete.....	x		
DATA PLATES:	Illegible; missing.....			x
DEPRESERVATION GUIDE DA FORM 2258:	Illegible or missing.....			x

APPENDIX III-K

ITEM DEFECTS FOR HAMMERS, PILEDRIVER

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and / or fastening devices broken or missing.....	X		
Painted surfaces	Dents		X	
	Stage III corrosion; chipped or abraded	X		
Unpainted noncritical surfaces	Stage II corrosion		X	
	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion			X
CYLINDER WALLS, RAM SURFACES AND OTHER INTERIOR CRITICAL SURFACES:				
	Stage II corrosion	X		
	Stage I corrosion		X	
FUEL AND LUBRICATING PUMP DRIVE SYSTEM:				
	Stage III corrosion on internal surfaces.....	X		
	Stage II corrosion on internal surfaces.....		X	
FUEL SYSTEM:				
Tank:				
Internal surfaces	Stage III corrosion	X		
	Stage II corrosion; coating peeling or flaking.....		X	
External surfaces	Stage IV corrosion.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Lines, hoses and connectors	Cracked or checked; kinked; broken, fungus growth	X		
Filter	Stage IV corrosion on internal surfaces	X		
	Stage III corrosion on internal surfaces; element deteriorated or contaminated.....		X	
	Stage II corrosion on internal surfaces.....			X
Fuel pump, rack and injector assembly	Stage III corrosion; cracked or broken.....	X		
	Stage II corrosion; contaminated.....		X	
Seals	Deteriorated; leaks or seeps.....	X		
LUBRICATION SYSTEM:				
Tank:				
Internal surfaces	Stage III corrosion	X		
	Stage II corrosion		X	
External surfaces	Stage IV corrosion.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Lines, hoses and fittings	Kinked; broken; leaks or seeps; checked or cracked; fungus growth.....	X		
Filter	Stage III corrosion on internal or external surfaces	X		
	Stage II corrosion on internal surfaces; element deteriorated or contaminated		X	
Oil pump	Stage III corrosion on internal surfaces.....	X		
	Stage II corrosion on internal surfaces.....		X	
STARTING FLUID INJECTOR:				
Lines	Kinked, cracked or broken.....	X		
	Screen contaminated		X	

APPENDIX III-K

ITEM DEFECTS FOR HAMMERS, PILEDRIVER

Item	Defect	Classification		
		Major		Minor
		A	B	
HYDRAULIC CONTROL SYSTEM: Transmitter and receiver: Lines, hoses and fittings Pump and/or fluid reservoir Cylinder and valves Operating fluid Gaskets and seals Filters	Kinked; broken; leaks or seeps; checked or cracked; fungus growth; loss of flexibility Body cracked or broken; stage III corrosion Stage II corrosion on internal surfaces..... Stage III corrosion..... Stage II corrosion on rods and / or internal surfaces of cylinders and valves..... Contaminated..... Deteriorated; leaks or seeps..... Stage III corrosion on internal surfaces..... Stage III corrosion on internal surfaces; element contaminated.....	X X X X X X	 X X X X	
STARTING DEVICE: Pins, levers, linkage and springs Wire rope Guide rollers	Stage III corrosion on critical surfaces Stage II corrosion on critical surfaces Stage IV corrosion; broken strands..... Stage III corrosion..... Stage II corrosion..... Stage IV corrosion..... Stage III corrosion; frozen Stage II corrosion..... Stage II corrosion on critical surfaces.....	X X X X X X	 X X X X	 X X
ANVIL:	Stage I corrosion on critical surfaces.....		X	
RECOIL DAMPENER:	Cracked, broken, worn or deformed.....	X		
DRIVING HEAD AND ADAPTER ASSEMBLY: Driving head, adapter and cap Plastic and aluminum disc Wire rope	Stage IV corrosion; cracked or broken Stage III corrosion..... Stage II corrosion..... Cracked, broken, worn or deformed..... Stage IV corrosion; broken strands..... Stage III corrosion..... Stage II corrosion.....	X X X X X	 X X X	 X X
GUIDE ANGLES:	Bent, cracked or broken.....		X	
BASIC ISSUE ITEMS (BI):	Missing..... Deteriorated or damaged.....	X X	 X	
COMPONENTS AND ACCESSORIES:	Missing; incomplete Deteriorated or damaged.....	X X	 X	
WARNING OR CAUTION PLATES:	Illegible; missing.....	X		
MODIFICATION WORK ORDER (MWO): Urgent classification Routine classification	Not applied..... Not applied.....	X X	 X	

APPENDIX III-K

ITEM DEFECTS FOR HAMMERS, PILEDRIVER

Item	Defect	Classification		
		Major		Minor
		A	B	
DATA PLATES:	Illegible or missing.....			X
DEPRESERVATION GUIDE (DA FORM 2258):	Illegible or missing.....			X

APPENDIX III-L

ITEM DEFECTS FOR DISTRIBUTORS, BITUMINOUS MATERIAL

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTLEHIOR SURFACES AND HOUSINGS:				
General	Fractures: base mounting and/or fastening devices broken or missing	X		
Painted surfaces	Dents		X	
Unpainted noncritical surfaces	Stage III corrosion: chipped or abraded	X		
	Stage II corrosion		X	
	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion			X
TRUCK CHASSIS:	Refer to SB 740-9).23			
TRAILER CHASSIS:	Refer to SB 740-9.-23			
BITUMEN TANK:	Stage IV corrosion on internal surfaces	X		
	Stage III corrosion on internal surfaces.....		X	
	Stage II corrosion on internal surfaces.....			X
LIQUID QUANTITY GAGE:	Broken or inoperative.....	X		
	Packing deteriorated; leaks		X	
BITUMEN PUMP:	Stage IV corrosion on internal surfaces; impeller frozen; leaks.....	X		
	Stage III corrosion on internal surfaces.....		X	
	Stage II corrosion on internal surfaces.....			X
AUXILIARY ENGINE:				
Valves, rocker arm assembly and combustion chambers	Stage II corrosion	X		
Piston assembly and cylinder walls	Stage I corrosion		X	
Flywheel and ring gear	.....	X		
	Stage I corrosion		X	
Air cleaner	Stage IV corrosion; ring gear chipped, cracked or broken.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Cooling system:	Stage IV corrosion.....	X		
Radiator	Stage III corrosion on internal surfaces; coolant contaminated.....		X	
Shutters and controls	Stage II corrosion on internal surfaces.....			X
Fan Blades broken;	Stage IV corrosion.....	X		
Cooling fins	Frozen; stage III corrosion.....		X	
	Stage II corrosion			X
Seals and gaskets	stage IV corrosion	X		
Hoses and belts	Bent; stage III corrosion		X	
	Stage II corrosion			X
	Bent or otherwise damaged to the extent repair is needed	X		
	Deteriorated: leaks or seeps.....	X		
	Checking or cracking; frayed or cut; loss of flexibility; fungus growth; broken reinforcing.....		X	

APPENDIX III-L

ITEM DEFECTS FOR DISTRIBUTORS, BITUMINOUS MATERIAL

Item	Defect	Classification		
		Major		Minor
		A	B	
Water pump	Stage III corrosion		x	
	Stage II corrosion			x
	Stage IV corrosion on internal surfaces; frozen; leaks	x		
	Stage III corrosion on internal surfaces		x	
Fuel system: Tank:	Stage II corrosion on internal surfaces			x
	Internal surfaces			
External surfaces	Stage III corrosion	x		
	Stage II (corrosion: coating peeling or flaking)		x	
Line, hoses and connectors	Stage IV corrosion	x		
	Stage III corrosion		x	
Filter and sediment bowls	Stage II corrosion			x
	Cracked or checked; kinked; broken; fungus growth	x		
Carburetor	Stage, IV corrosion, internal surfaces; cracked or broken	x		
	Stage III corrosion *n internal surfaces; element deteriorated or contaminated		x	
	Stage II corrosion on internal surfaces			x
Seals	Stage II corrosion: cracked or broken	x		
	Stage II (corrosion: contaminated)		x	
Exhaust system: Rain cap	Deteriorated; leaks or seeps	x		
	Stage I' corrosion: cracked(, broken or missing	x		
Brackets and hangers	Stage III corrosion	x		
	Stage II corrosion		x	
Intake and exhaust manifolds, muffler and pipes	Stage corrosion; Cracked or broken	x		
	Stage III corrosion		x	
	Stage II corrosion			x
ELECTRICAL SYSTEM: Wiring	Stage corrosion: punctured	x		
	Stage II corrosion		x	
	Stage II corrosion			x
Terminal- and connections	Broken strands; cracked insulation; fungus growth	x		
	Frayed: checked: loss of flexibility		x	
Spark plugs	Stage III corrosion: broken terminals	x		
	Stage I corrosion		x	
Switches, regulators, relays, magnetos and controllers	Stage III corrosion, on spark point end; ceramic insulator broken	x		
	Stage II corrosion on spark point end			x
Generator assemblies, electric motors and starters	Stage III corrosion: broken, frozen	x		
	Stage II corrosion		x	
Lights and reflectors	Stage II corrosion: frozen	x		
	Stage II corrosion			x
	Stage III corrosion: cracked or broken		x	
	Stage II corrosion			x

APPENDIX III-L

ITEM DEFECTS FOR DISTRIBUTORS, BITUMINOUS MATERIAL

Item	Defect	Classification		
		Major		Minor
		A	B	
LUBRICATION SYSTEM:				
Lines, hoses and fittings	Kinked; broken; leaks or seeps; checked or cracked; fungus growth	x		
Filters	Stage III corrosion on internal or external surfaces	x		
	Stage II corrosion on internal surfaces; element deteriorated or contaminated.....		x	
Lubricant	Contaminated.....		x	
Seals	Deteriorated; leaks or seeps.....	x		
CONTROLS AND INSTRUMENTS:				
	Stage III corrosion; cracked or broken; inoperable; dial face illegible	x		
	Stage II corrosion; linkage frozen		x	
GOVERNORS:				
	Stage IV corrosion; linkage broken.....	x		
	Stage III corrosion; linkage frozen		x	
	Stage II corrosion			x
CLUTCH ASSEMBLY:				
Bearings, shafts, linkage and springs	Stage III corrosion; frozen	x		
	Stage II corrosion		x	
Metal disks and plates	Stage III corrosion	x		
	Stage II corrosion		x	
Fiber disks and bands	Deteriorated; punctured or torn	x		
Lubricant	Contaminated.....		x	
TRANSMISSION:				
	Stage III corrosion on internal surfaces; seals deteriorated; leaks.....	x		
	Stage II corrosion on internal surfaces; contaminated lubricant		x	
BURNER SYSTEM:				
Blower and drive assembly:				
Blower:				
	Shafts, impellers, gears, bearings and interior surfaces of air cleaner	Stage III corrosion	x	
		Stage II corrosion		x
Blower clutch:				
	Cones, collars and plates	Stage III corrosion; frozen	x	
		Stage II corrosion		x
	Fiber disks	Deteriorated; punctured or torn	x	
	Drive belts	Cracked, frayed or cut; loss of flexibility and resiliency; fungus growth		x
	Drive chain, sprockets and pulleys	Stage IV corrosion; cracked or broken; frozen	x	
		Stage III corrosion		x
		Stage II corrosion		
Fuel pump	Stage III corrosion on internal surfaces; leaks.....	x		
	Stage II corrosion on internal surfaces.....		x	
Fuel tank:				
Internal surfaces	Stage III corrosion	x		
	Stage II corrosion; coating peeling or flaking.....		x	
External surfaces	Stage IV corrosion.....	x		
	Stage III corrosion		x	
	Stage II corrosion			x

APPENDIX III-L

ITEM DEFECTS FOR DISTRIBUTORS, BITUMINOUS MATERIAL

Item	Defect	Classification		
		Major		Minor
		A	B	
Lines, hoses and connectors	Cracked or checked; kinked; broken; fungus growth	x		
Fuel strainers	Punctured; torn or bent; contaminated; deteriorated gaskets leaks.....		x	
Valves	Stage IV corrosion; frozen; leaks	x		
Gages	Stage III corrosion		x	
Burner assembly	Glass broken or discolored; dial faces deteriorated: inoperable.....	x		
Combustion chambers and heating flues	Stage III corrosion on internal surfaces: breaks; cracks or leaks.....	x		
	Stage II corrosion on internal surfaces.....		x	
SPRAYBAR ASSEMBLY: Piping and fittings	Stage IV corrosion; breaks; cracks or bends	x		
	Stage III corrosion		x	
Valves	Stage IV corrosion on internal surfaces: leaks: breaks: damaged threads; nozzles missing or damaged	x		
	Stage III corrosion on internal surfaces.....	x		
Valve controls	Stage IV corrosion; frozen; leaks	x		
	Stage III corrosion		x	
Vertical and horizontal adjustment controls	Stage IV corrosion on devices, pins and actuating linkage: frozen or inoperative.....	x		
	Stage III corrosion on devices, pins and actuating linkage.....		x	
PORTABLE BURNER: Burner, fuel tank and pump	Stage IV corrosion on adjusting linkage. cables or chains: inoperable or frozen.....	x		
	Stage III corrosion on adjusting linkage. cables or chains.....		x	
Hose	Stage III corrosion on internal surfaces.....	x		
	Stage II corrosion on internal surfaces.....		x	
HANDSPRAY ASSEMBLY:	Checking or cracking; frayed or cut: loss of flexibility; fungus growth	x		
	Stage IV corrosion on internal surfaces; valve frozen; cracked, bent or broken.....	x		
FILLING AND HANDSPRAY HOSES:	Stage III corrosion on internal surfaces.....		x	
	Stage IV corrosion; breaks; damaged threads	x		
BITUMETER ASSEMBLY: Bearings, shafts and other critical surfaces	Stage III corrosion	x		
	Stage II corrosion		x	
Cable, pulleys and frame	Stage IV corrosion; bends or cracks	x		
	Stage III corrosion		x	
Controls	Frozen or inoperable	x		
BASIC ISSUE ITEMS (BII):	Missing.....	x		
	Deteriorated or damaged.....		x	
COMPONENTS AND ACCESSORIES:	Missing; incomplete	x		
	Deteriorated or damaged.....		x	

APPENDIX III-L

ITEM DEFECTS FOR DISTRIBUTORS, BITUMINOUS MATERIAL

Item	Defect	Classification	
		Major	Minor
		A	B
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken or distorted	x	
WARNING OR CAUTION PLATES:	Illegible: missing.....	x	
MODIFICATION WORK ORDER (MWO):			
Urgent classification	Not applied.....	x	
Routine classification	Not applied.....		x
EQUIPMENT LOG BOOK (TM 38-7501):			
	Missing.....	x	
	Incomplete.....		x
DATA PLATES:			
	Illegible or missing.....		x
DEPRESERVATION GUIDE (DA FORM 2258):			
	Illegible or missing.....		x

APPENDIX III-M

ITEM DEFECTS FOR PAVING MACHINES, BITUMINOUS MATERIAL

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and / or fastening devices broken or missing	x		
Painted surfaces	Dents	x		
Unpainted noncritical surfaces	Stage III corrosion: chipped or abraded	x		
	Stage II corrosion		x	
	Stage IV corrosion.....	x		
	Stage III corrosion.....		x	
	Stage II corrosion			x
TRACKS:	Stage IV corrosion.....	x		
	Stage III corrosion.....		x	
TRACTOR DRIVE SPROCKETS, IDLERS AND ROLLERS:	Stage IV corrosion.....	x		
	Stage III corrosion.....		x	
ENGINE ASSEMBLY:				
Valves, rocker arm assembly and combustion chambers	Stage III corrosion	x		
Piston assembly and cylinder walls	Stage I corrosion		x	
Flywheel and ring gear	x Stage I corrosion		x	
Air cleaner	Stage IV corrosion: ring gear chipped, cracked or broken.....	x		
Cooling system: Radiator	Stage III corrosion		x	
Shutters and controls	Stage II corrosion			x
Fan	Stage IV corrosion	x		
Cooling fins	Frozen; stage III corrosion.....		x	
Seals and gaskets	Stage II corrosion			x
Hoses and belts	Blades broken; stage IV corrosion	x		
Pulleys	Bent; stage III corrosion		x	
Water pump	Stage II corrosion			x
	Bent or otherwise damaged to the extent repair is required.....	x		
	Deteriorated: leaks or seeps.....	x		
	Checking or cracking; frayed or cut; loss of flexibility; fungus growth; broken reinforcing.....		x	
	Cracked; broken; stage IV corrosion.....	x		
	Stage III corrosion		x	
	Stage II corrosion			x
	Stage IV corrosion on internal surfaces: frozen; leaks	x		
	Stage III corrosion on internal surfaces.....		x	
	Stage II corrosion on internal surfaces.....			x

APPENDIX III-M

ITEM DEFECTS FOR PAVING MACHINES, BITUMINOUS MATERIAL

Item	Defect	Classification		
		Major		Minor
		A	B	
Fuel system:				
Tanks:				
Internal surfaces	Stage III corrosion	X		
External surfaces	Stage II corrosion: coating peeling or flaking.....		X	
	Stage IV corrosion.....			X
	Stage III corrosion.....		X	
	Stage II corrosion			X
Lines, hoses and connectors	Cracked or checked: kinked: broken; fungus growth	x		
Filters and sediment bowls	Stage IV corrosion on internal surfaces; cracked or broken.....	X		
	Stage III corrosion on internal surfaces: element deteriorated or contaminated.....		X	
	Stage II corrosion on internal surfaces.....			X
Carburetor, injectors or nozzles	Stage III corrosion: cracked or broken.....	X		
	Stage II corrosion: contaminated.....		X	
Seals	Deteriorated: leaks or seeps.....	X		
Exhaust system:				
Rain cap	Stage IV corrosion: cracked, broken or missing.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Brackets and hangers	Stage IV corrosion: cracked or broken	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Intake and exhaust manifolds, muffler and pipes	Stage IV corrosion: punctured.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
ELECTRICAL SYSTEM:				
Wiring	Broken strands: cracked insulation; fungus growth.....	x		
	Frayed; checked: loss of flexibility		X	
Terminals and connections	Stage III corrosion: broken terminals.....	X		
	Stage II corrosion		X	
Spark plugs	Stage III corrosion on spark point end: ceramic insulator broken	X		
	Stage II corrosion on spark point end.....		X	
Switches, regulators, relays, magnetos and controllers	Stage III corrosion: broken: frozen	X		
	Stage II corrosion		X	
Generator assemblies, electric motors and starters	Stage III corrosion: frozen	X		
	Stage II corrosion		X	
Lights and reflectors	Stage III corrosion; cracked or broken.....		X	
	Stage III corrosion			X
LUBRICATION SYSTEM:				
Lines, hoses and fittings	Kinked: broken: leaks or seeps; checked or cracked; fungus growth	X		
Filters	Stage III corrosion on internal or external surfaces	X		
	Stage II corrosion on internal surfaces: element deteriorated or contaminated.....		X	
	Lubricant Contaminated.....		X	
Seals	Deteriorated: leaks or seeps			

APPENDIX III-M

ITEM DEFECTS FOR PAVING MACHINES, BITUMINOUS MATERIAL

Item	Defect	Classification		
		Major		Minor
		A	B	
CONTROLS AND INSTRUMENTS:	Stage III corrosion; cracked or broken; inoperable; dial face illegible			
	Stage II corrosion: linkage frozen	X	X	
GOVERNORS:	Stage IV corrosion: linkage broken.....	X		
	Stage II corrosion: linkage frozen		X	
	Stage II corrosion			X
TRANSMISSION AND GEAR BOX:	Stage III corrosion on internal surfaces; seals deteriorated; leaks.....	X		
	Stage II corrosion on internal surfaces; contaminated lubricant		X	
MAIN AND SECONDARY DRIVES:				
Drive chains	Stage IV corrosion; cracked or broken links.....	X		
	Stage III corrosion; pins and/or rollers frozen.....		X	
	Stage II corrosion			X
Pulleys and drive sprockets	Cracked or broken; stage IV corrosion.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Shafts and housings:				
Shafts, bearings, bushings and springs	Stage III corrosion: frozen.....	X		
	Stage II corrosion		X	
Drive belts	Checking: cracking: broken reinforcing: frayed; cut: loss of flexibility and resiliency ; fungus growth		X	
HYDRAULIC SYSTEM:				
Lines hose and fittings	Kinked: broken: leaks or seeps: checked or cracked; fungus growth: loss of flexibility.....		X	
Pump and or fluid reservoir	Body cracked or broken: stage III corrosion		X	
	Stage II corrosion on internal surfaces.....		X	
Cylinders and valves	Stage III corrosion.....		X	
	Stage II corrosion on rods and/or internal surfaces of cylinders and valves		X	
Operating fluid	Contaminated.....		X	
Gaskets and seals	Deteriorated: leaks or seeps.....		X	
Filters	Stage III corrosion on internal surfaces.....		X	
	Stage II corrosion on internal surfaces; element contaminated.....		X	
CLUTCH ASSEMBLIES:				
Bearings, shafts, linkage and springs	Stage III corrosion: frozen	X		
	Stage II corrosion		X	
Metal disks and plates	Stage III corrosion.....	X		
	Stage II corrosion		X	
Fiber disks and bands	Deteriorated: punctured or torn	X		
Lubricant	Contaminated.....		X	
BRAKE SYSTEM:				
Drum and or shoe,	Stage IV corrosion.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X

APPENDIX III-M

ITEM DEFECTS FOR PAVING MACHINES, BITUMINOUS MATERIAL

Item	Defect	Classification		
		Major		Minor
		A	B	
Springs, anchors, cable, yokes and/or linkage	Stage IV corrosion; distorted or broken	X		
	Stage III corrosion; frozen		X	
	Stage II corrosion			X
LEVELING ARM ASSEMBLY:	Stage III corrosion; cracked or broken welds; distorted or warped	X		
	Stage II corrosion on pivot shafts and bearings		X	
HOPPER AND BAR FEEDER:				
Hopper feeder chains, flight bars and/ or hopper feeder gates	Stage III corrosion; cracked, broken or distorted	X		
Critical surfaces of shafts and bearings	Stage II corrosion; damaged threads	X		
SCREW CONVEYOR:				
	Stage IV corrosion; cracked or broken paddles	X		
	Stage III corrosion		X	
	Stage II corrosion			X
OSCILLATING AXLE AND TRUCK ROLLERS:				
	Stage III corrosion; cracked or broken; frozen	X		
	Stage II corrosion on shafts or bearings		X	
SCREED UNIT TAMPER ASSEMBLY:				
Jackknife assembly and eccentric shafts	Stage III corrosion on shafts, bearings, bushings, springs and bearing housings	X		
	Stage II corrosion on shafts, bearings, bushings, springs and bearing housings		X	
Hydraulic drive motor	Stage III corrosion on internal surfaces	X		
	Stage II corrosion on internal surfaces		X	
Pulleys and sheaves	Cracked or broken; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Drive belts	Checking; cracking; broken reinforcing; frayed; cut; loss of flexibility and resiliency; fungus growth		X	
Frame, supports and arms	Cracked; broken; warped or distorted; stage III corrosion	X		
	Stage II corrosion		X	
Tamper frame assembly	Stage III corrosion on tamper bars and frames; cracked or broken	X		
	Stage II corrosion on shafts and interior surfaces of pivot brackets		X	
SCREED DEFLECTOR PLATE ASSEMBLY:				
	Stage III corrosion on deflector blades; cracked, broken, warped or distorted; damaged threads	X		
	Stage II corrosion		X	
SCREED FRAME ASSEMBLY:				
	Stage IV corrosion; cracked, broken, 'warped or distorted frame members	X		
	Stage III corrosion		X	

APPENDIX III-M

ITEM DEFECTS FOR PAVING MACHINES, BITUMINOUS MATERIAL

Item	Defect	Classification		
		Major		Minor
		A	B	
SCREED PLATES:	Stage III corrosion; cracked, broken, warped or distorted	X		
	Stage II corrosion on smoothing surface.....		X	
SCREED THICKNESS AND CROWN CONTROL:	Stage III corrosion; cracked, bent or broken; damaged threads; frozen	X		
	Stage II corrosion on critical surfaces		X	
HEATING SYSTEM:				
Burner fuel tank and piping	Stage III corrosion on internal surfaces of tank; fuel lines cracked, kinked or broken; hoses checking or cracking; frayed or cut; loss of flexibility; fungus growth; broken reinforcing	X		
	Stage II corrosion on internal surfaces of tank		X	
Filter and sediment bowl	Stage IV corrosion on internal surfaces; cracked or broken	X		
	Stage III corrosion on internal surfaces; element deteriorated or contaminated.....		X	
	Stage II corrosion on internal surfaces.....			X
Burner fuel pump	Stage III corrosion; cracked or broken; seals or gaskets deteriorated	X		
	Stage II corrosion; contaminated.....		X	
Burner and blower: Interior surfaces	Stage III corrosion	X		
	Stage II corrosion		X	
Wiring	Broken strands; cracked insulation; fungus growth.....	X		
	Frayed; checked; loss of flexibility		X	
Switches	Stage III corrosion; broken; frozen	X		
	Stage II corrosion		X	
Electrodes and connections	Stage III corrosion; broken terminals or electrodes	X		
	Stage II corrosion		X	
Burner igniter spark plugs	Stage III corrosion on spark point end; ceramic insulator broken		X	
	Stage II corrosion on spark point end.....			X
Flexible air ducts	Tears; cuts; mildew or mold		X	
SPRAY CLEANER:	Checking or cracking; frayed or cut; loss of flexibility; fungus growth; bent; leaks; frozen	X		
BELT FLASHING:	Punctured or torn; checking or cracking; broken reinforcing; loss of flexibility; fungus growth.....	X		
BASIC ISSUE ITEMS (BII):	Missing.....	X		
	Deteriorated or damaged.....		X	
COMPONENTS AND ACCESSORIES:	Missing; incomplete	X		
	Deteriorated or damaged.....		X	
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken or distorted		X	
WARNING OR CAUTION PLATES:	Illegible; missing.....	X		
MODIFICATION WORK ORDER (MWO):				
Urgent classification	Not applied	X		
Routine classification	Not applied		X	

APPENDIX III-M

ITEM DEFECTS FOR PAVING MACHINES, BITUMINOUS MATERIAL

Item	Defect	Classification	
		Major	Minor
		A	B
EQUIPMENT LOG BOOK (TM 38-750):	Missing.....	X	
	Incomplete.....		X
DATA PLATES:	Illegible or missing.....		X
DEPRESERVATION GUIDE (DA FORM 2258):	Illegible or missing.....		X

APPENDIX III-N

ITEM DEFECTS FOR DISTRIBUTORS,

LIQUID BITUMINOUS MATERIAL, TANKLESS TYPE

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and/or fastening devices broken or missing	X		
Painted surfaces	Dents		X	
Unpainted noncritical surfaces	Stage III corrosion ; chipped or abraded	X		
	Stage II corrosion		X	
	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion			X
TRAILER CHASSIS:	Refer to SB 740-97-23			
ENGINE ASSEMBLY:				
Valves, rocker arm assembly and combustion chambers	Stage II corrosion	X		
	Stage I corrosion		X	
Piston assembly and cylinder walls	Stage II corrosion			
	X			
	Stage I corrosion		X	
Flywheel and ring gear	Stage IV corrosion; ring gear chipped, cracked or broken.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Air cleaner	Stage IV corrosion.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Cooling system:				
Radiator	Stage IV corrosion on internal surfaces; leaks	X		
	Stage III corrosion on internal surfaces; coolant contaminated.....		X	
	Stage II corrosion on internal surfaces.....			X
Shutters and controls	Stage IV corrosion.....	X		
	Frozen; stage III corrosion.....		X	
	Stage II corrosion			X
Fan	Blades broken; stage IV corrosion	X		
	Bent; stage III corrosion		X	
	Stage II corrosion			X
Cooling fins	Bent or otherwise damaged to the extent repair is required.....		X	
Seals and gaskets	Deteriorated; leaks or seeps.....	X		
Hoses and belts	Checking or cracking; frayed or cut; loss of flexibility; fungus growth; broken reinforcing.....		X	
Pulleys	Cracked; broken; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Water pump	Stage IV corrosion on internal surfaces; frozen; leaks	X		
	Stage III corrosion on internal surfaces.....		X	
	Stage II corrosion on internal surfaces.....			X
Fuel system:				
Tanks:				
Internal surfaces	Stage III corrosion	X		
	Stage II corrosion; coating peeling or flaking.....		X	
External surfaces	Stage IV corrosion.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Lines, hoses and connectors	Cracked or checked; kinked; broken; fungus growth	X		

APPENDIX III-N

ITEM DEFECTS FOR DISTRIBUTORS,

LIQUID BITUMINOUS MATERIAL, TANKLESS TYPE

Item	Defect	Classification		
		Major		Minor
		A	B	
Filters and sediment bowls	Stage IV corrosion on internal surfaces; cracked or broken.....	X		
	Stage III corrosion on internal surfaces; element deteriorated or contaminated.....		X	
	Stage II corrosion on internal surfaces.....			X
Carburetor	Stage III corrosion: cracked or broken.....	X		
	Stage II corrosion; contaminated.....		X	
Seals	Deteriorated; leaks or seeps.....	X		
Exhaust system: Rain cap	Stage IV corrosion; cracked, broken or missing.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Brackets and hangers	Stage IV corrosion: cracked or broken.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Intake and exhaust manifolds, muffler and pipes	Stage IV corrosion; punctured.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
ELECTRICAL SYSTEM:				
Wiring	Broken strands; cracked insulation; fungus growth.....	X		
Terminals and connections	Frayed; checked; loss of flexibility.....		X	
	Stage III corrosion; broken terminals.....	X		
Spark plugs	Stage II corrosion.....		X	
	Stage III corrosion on spark point end; ceramic insulator broken.....		X	
Switches, regulators, relays, magnetos and controllers	Stage II corrosion on spark point end.....			X
	Stage III corrosion; broken; frozen.....	X		
Generator assemblies, electric motors and starters	Stage II corrosion.....		X	
	Stage III corrosion: frozen.....	X		
Lights and reflectors	Stage II corrosion.....		X	
	Stage III corrosion; cracked or broken.....		X	
	Stage II corrosion.....			X
LUBRICATION SYSTEM:				
Lines, hoses and fittings	Kinked; broken; leaks or seeps; checked or cracked; fungus growth.....	X		
Filters	Stage III corrosion on internal or external surfaces.....	X		
	Stage II corrosion on internal surfaces; element deteriorated or contaminated.....		X	
Lubricant	Contaminated.....		X	
Seals	Deteriorated; leaks or seeps.....	X		
CONTROLS AND INSTRUMENTS:				
	Stage III corrosion; cracked or broken; inoperable; dial face illegible.....	X		
	Stage II corrosion; linkage frozen.....		X	
GOVERNORS:				
	Stage IV corrosion; linkage broken.....	X		
	Stage III corrosion; linkage frozen.....		X	
	Stage II corrosion.....			X
CLUTCH ASSEMBLY:				
Bearings, shafts, linkage and springs	Stage III corrosion: frozen.....	X		
	Stage II corrosion.....		X	

APPENDIX III-N

ITEM DEFECTS FOR DISTRIBUTORS,

LIQUID BITUMINOUS MATERIAL, TANKLESS TYPE

Item	Defect	Classification		
		Major		Minor
		A	B	
Metal disks and plates	Stage II corrosion	X		
Fiber disks and bands	Stage II corrosion		X	
Lubricant	Deteriorated: punctured.....		or torn	X
	Contaminated.....		X	
TRANSMISSION:	Stage II corrosion on internal surfaces; seals deteriorated; leaks.....	X		
	Stage II corrosion on internal surfaces; contaminated lubricant		X	
BITUMEN PUMP:	Stage IV corrosion on internal surfaces: impeller frozen: leaks.....	X		
	Stage III corrosion on internal surfaces.....		X	
	Stage II corrosion on internal surfaces.....			X
PUMP DRIVE GEAR ASSEMBLY:	Stage III corrosion on bearings. shafts. chains or gears: deteriorated seals: leaks.....	X		
	Stage II corrosion on bearings. shafts, chains or gears: lubricant contaminated		X	
FLUSHING TANK:				
Internal surfaces	Stage II corrosion	X		
	Stage II corrosion		X	
External surfaces	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion			X
VALVES:	Stage IV corrosion: frozen: leaks	X		
	Stage III corrosion.....		X	
GAGES:	Glass broken or discolored: dial faces deteriorated: inoperable.....	X		
SPRAYBAR ASSEMBLY:				
Piping and fittings	Stage IV corrosion on internal surfaces: leaks: breaks: damaged threads: nozzles missing or damaged	X		
	Stage III corrosion on internal surfaces.....		X	
Valves	Stage IV corrosion: frozen: leaks	X		
	Stage III corrosion.....		X	
Valve controls	Stage IV corrosion on clevises. pins and actuating linkage: frozen or inoperative.....	X		
	Stage III corrosion on clevises. pins and actuating linkage.....		X	
Vertical and horizontal adjustment controls	Stage IV corrosion on adjusting linkage. cables or chains: inoperable or frozen.....	X		
	Stage III corrosion on adjusting linkage. cables or chains.....		X	
PORTABLE BURNER:				
Burner. fuel tank and pump	Stage III corrosion on internal surfaces.....	X		
	Stage II corrosion on internal surfaces.....		X	
Hose	Checking or cracking: frayed or cut: loss of flexibility: fungus growth.....	X		
HANDSPRAY ASSEMBLY:				
	Stage IV corrosion on internal surfaces: valve frozen: cracked. bent or broken.....	X		
	Stage III corrosion on internal surfaces.....		X	

APPENDIX III-N

ITEM DEFECTS FOR DISTRIBUTORS,

LIQUID BITUMINOUS MATERIAL, TANKLESS TYPE

Item	Defect	Classification		
		Major		Minor
		A	B	
FILLING AND HANDSPRAY HOSES:	Stage IV corrosion; breaks; damaged threads	X		
	Stage III corrosion		X	
BITUMETER ASSEMBLY:				
Bearings, shafts and other critical surfaces	Stage III corrosion	X		
	Stage II corrosion		X	
Cable, pulleys and frame	Stage IV corrosion; bends or cracks	X		
	Stage III corrosion		X	
Controls	Frozen or inoperable	X		
BASIC ISSUE ITEMS (BII):	Missing.....	X		
	Deteriorated or damaged.....		X	
COMPONENTS AND ACCESSORIES:	Missing; incomplete	X		
	Deteriorated or damaged.....		X	
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken or distorted.....		X	
WARNING OR CAUTION PLATES:	Illegible; missing.....	X		
MODIFICATION WORK ORDER (MWO):				
Urgent classification	Not applied.....	X		
Routine classification	Not applied.....		X	
EQUIPMENT LOG BOOK (TM 38-750):	Missing.....	X		
	Incomplete.....		X	
DATA PLATES:	Illegible or missing.....			X
DEPRESERVATION GUIDE (DA FORM 2258):	Illegible or missing.....			X

APPENDIX III-O

ITEM DEFECTS FOR KETTLE, HEATING, BITUMEN

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSING:				
General	Fractures; base mounting and/or fastening devices broken or missing	X		
	Dents		X	
Painted surfaces	Stage III corrosion: chipped or abraded	X		
	Stage II corrosion		X	
Unpainted noncritical surfaces	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion			X
CHASSIS:				
Frame and springs	Cracked or broken welds; stage IV corrosion.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Tires	Checks and cracks extending to the cord; cut or punctured: bulges indicating ply separation; chunking of rubber.....	X		
Wheels	Distorted; broken; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Lunette and /or lunette housing	Distorted: broken welds: stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion			X
BITUMEN TANK:				
Screen and baffle	Stage IV corrosion, bent or distorted to extent proper fit or function is affected.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Fuel stack	Stage IV corrosion; kinked, bent or broken.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Hinges and fasteners	Stage IV corrosion: bent, broken, frozen or missing; safety link missing	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Thermometer	Broken or discolored, illegible; missing	X		
Fusible link	Damaged or missing	X		
BITUMEN PUMP:				
Pump housing	Stage IV corrosion on internal surfaces; cracked or broken.....	X		
	Stage III corrosion on internal surfaces.....		X	
	Stage II corrosion on internal surfaces.....			X
Packing and gaskets	Deteriorated.....	X		
Clutch assembly:				
Plates. cone. sleeve. rings and springs	Stage IV corrosion: broken parts or frozen.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Shifter and collar	Stage IV corrosion: frozen.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X

APPENDIX 111-0

ITEM DEFECTS FOR KETTLE, HEATING, BITUMEN

Item	Defect	Classification		
		Major		Minor
		A	B	
SPRAYBAR ASSEMBLY:				
Piping and fittings	Stage IV corrosion on internal surfaces; breaks; damaged threads; nozzle missing or damaged.....	X		
	Stage III corrosion on internal surfaces.....		X	
Valves	Stage IV corrosion; frozen.....	X		
	Stage III corrosion.....		X	
Hose	Kinked, frayed, deteriorated, cracked or broken.....	X		
POWER TRANSER:				
Gear housing	Stage III corrosion on internal surfaces; cracked or broken housing.....	X		
	Stage II corrosion on internal surfaces.....		X	
Seals and gaskets	Deteriorated or leaking.....	X		
Flexible coupling:				
Flange, disc and shaft	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
Bushing	Checking or cracking; fungus growth; dry rot, mildew; loss of flexibility and resiliency.....	X		
Sight glass	Glass broken or discolored.....	X		
ENGINE:				
Valves, rocker arm assembly and combustion chambers	Stage II corrosion.....	X		
	Stage I corrosion.....		X	
Piston assembly and cylinder walls	Stage II corrosion	X		
	X			
	Stage I corrosion.....		X	
Flywheel	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Air cleaner	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Cooling system:				
Cooling fins	Bent or otherwise damaged to the extent repair is needed.....		X	
Pulleys	Cracked; broken; stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Governors linkage broken X	Stage IV corrosion;			
	Stage III corrosion; linkage frozen.....		X	
	Stage II corrosion.....		X	
Fuel system:				
Tanks:				
Internal surfaces	Stage III corrosion.....	X		
	Stage II corrosion; coating peeling or flaking.....		X	
External surfaces	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Lines, hoses and connectors	Cracked or checked; kinked; broken; fungus growth.....	X		
Filters and sediment bowls	Stage IV corrosion on internal surfaces; cracked or broken.....	X		
	Stage III corrosion on internal surfaces; element deteriorated or contaminated.....		X	
	Stage II corrosion on internal surfaces.....			X
Carburetor	Stage III corrosion; cracked or broken.....	X		
	Stage II corrosion; contaminated.....		X	
Seals	Deteriorated; leaks or seeps.....	X		

APPENDIX III-O

ITEM DEFECTS FOR KETTLE, HEATING, BITUMEN

Item	Defect	Classification		
		Major		Minor
		A	B	
Exhaust system:				
Brackets and hangers	Stage IV corrosion: cracked or broken	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Muffler and pipes	Stage IV corrosion: punctured.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
ELECTRICAL SYSTEM:				
Wiring	Broken strands: cracked insulation: fungus growth.....	X		
	Frayed: checked: loss of flexibility		X	
Terminals and connections	Stage III corrosion: broken terminals.....	X		
	Stage II corrosion		X	
Spark plugs	Stage III corrosion on spark point end; ceramic insulator broken		X	
	Stage II corrosion on spark point end.....			X
Switches and magnetos	Stage III corrosion; broken: frozen	X		
	Stage II corrosion		X	
Lights and reflectors	Stage III corrosion: cracked or broken.....		X	
	Stage II corrosion			X
LUBRICATION SYSTEM:				
Lines, hoses and fittings	Kinked: broken: leaks or seeps: checked or cracked: fungus growth	X		
Filters	Stage III corrosion on internal or external surfaces	X		
	Stage II corrosion on internal surfaces: element deteriorated or contaminated.....		X	
Lubricant	Contaminated.....		X	
Seals	Deteriorated; leaks or seeps.....		X	
CONTROLS AND INSTRUMENTS:				
	Stage III corrosion: cracked or broken; inoperable; dial face illegible	X		
	Stage II corrosion: linkage frozen		X	
BURNER SYSTEM:				
Burner assembly	Stage III corrosion on internal surfaces; breaks or leaks.....	X		
	Stage II corrosion on internal surfaces.....		X	
Fuel tank:				
Internal surfaces	Stage III corrosion: contaminated.....	X		
	Stage II corrosion		X	
Pump	Stage III corrosion on internal surfaces; bent, cracked or inoperative; valves deteriorated	X		
	Stage II corrosion on internal surfaces.....		X	
Hose or tubing	Cracked or broken; kinked: frayed: deteriorated	X		
Gages	Glass broken or discolored; dial faces deteriorated; inoperable.....	X		
Burner nozzle	Stage III corrosion; clogged.....	X		
	Stage II corrosion		X	
Thermostat	Bent, broken or inoperative.....	X		
Valves and regulator	Stage III corrosion on internal surfaces; bent or broken; inoperative	X		
	Stage II corrosion on internal surfaces.....		X	
BRAKE ASSEMBLY:				
Drum and/or shoes	Stage IV corrosion.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X

APPENDIX III-O

ITEM DEFECTS FOR KETTLE, HEATING, BITUMEN

Item	Defect	Classification		
		Major		Minor
		A	B	
Springs, anchors, cable, yokes and, or linkage	Stage IV corrosion: distorted or broken	X		
	Stage III corrosion: frozen		X	
	Stage II corrosion			X
BASIC ISSUE ITEMS (BIII):	Missing.....	X		
	Deteriorated or damaged.....		X	
COMPONENTS AND ACCESSORIES:	Missing: incomplete	X		
	Deteriorated or damaged.....		X	
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken or distorted		X	
WARNING OR CAUTION PLATES:	Illegible: missing.....	X		
MODIFICATION WORK ORDER (MWO):	Urgent classification			
	Routine classification	Not applied.....	X	
EQUIPMENT LOG BOOK (TM 38-750):	Missing.....	X		
	Incomplete.....		X	
DATA PLATES:	Illegible or missing.....			X
DEPRESERVATION GUIDE (DA FORM 2258):	Illegible or missing.....			X

APPENDIX III-P

ITFM DEFECTS FOR AUGERS, EARTH

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and/or fastening devices broken or missing.....	X		
	Dents		X	
Painted surfaces	Stage III corrosion; chipped or abraded	X		
	Stage II corrosion		X	
Unpainted noncritical surfaces	Stage IV corrosion.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
ENGINE ASSEMBLY:				
Valves, rocker arm assembly and combustion chambers	Stage II corrosion	X		
	Stage I corrosion		X	
Piston assembly and cylinder walls	Stage II corrosion	X		
	Stage I corrosion		X	
Flywheel and ring gear	Stage IV corrosion; ring gear chipped, cracked or broken.....	X		
	Stage III corrosion		X	
Air cleaner	Stage II corrosion			X
	Stage IV corrosion.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Cooling system: Radiator	Stage IV corrosion on internal surfaces; leaks	X		
	Stage III corrosion on internal surfaces; coolant contaminated		X	
	Stage II corrosion on internal surfaces.....			X
Shutters and controls	Stage IV corrosion.....	X		
	Frozen; stage III corrosion.....		X	
Fan	Stage II corrosion			X
	Blades broken; stage IV corrosion	X		
	Bent; stage III corrosion		X	
	Stage II corrosion			X
Cooling fins	Bent or otherwise damaged to the extent repair is required.....		X	
Seals and gaskets	Deteriorated; leaks or seeps.....	X		
Hoses and belts	Checking or cracking; frayed or cut; loss of flexibility; fungus growth; broken reinforcing		X	
Pulleys	Cracked; broken; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X

Item	Defect	Classification		
		Major		Minor
		A	B	
Water pump	Stage IV corrosion on internal surfaces; frozen; leaks.....	X		
	Stage III corrosion on internal surfaces.....		X	
	Stage II corrosion on internal surfaces.....			X
Fuel system:				
Tanks:				
Internal surfaces	Stage III corrosion.....	X		
	Stage II corrosion; coating peeling or flaking.....		X	
External surfaces	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Lines, hoses and connectors	Cracked or checked; kinked; broken; fungus growth.....	X		
Filters and sediment bowls	Stage IV corrosion on internal surfaces; cracked or broken.....	X		
	Stage III corrosion on internal surfaces; element deteriorated or contaminated.....		X	
	Stage II corrosion on internal surfaces.....			X
Carburetor	Stage III corrosion; cracked or broken.....	X		
	Stage II corrosion; contaminated.....		X	
Seals	Deteriorated; leaks or seeps.....	X		
Exhaust system:				
Rain cap	Stage IV corrosion; cracked, broken or missing.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Brackets and hangers	Stage IV corrosion; cracked or broken.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Intake and exhaust manifolds, muffler and pipes	Stage IV corrosion; punctured.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
GOVERNORS:				
linkage broken X	.....			Stage IV corrosion;
	Stage III corrosion; linkage frozen.....		X	
	Stage II corrosion.....			X
LUBRICATION SYSTEM:				
Lines, hoses and fittings	Kinked; broken; leaks or seeps; checked or cracked; fungus growth.....	X		
Filters	Stage III corrosion on internal or external surfaces.....	X		
	Stage II corrosion on internal surfaces; element deteriorated or contaminated.....		X	

Item	Defect	Classification		
		Major		Minor
		A	B	
Lubricant	Contaminated.....		X	
Seals	Deteriorated; leaks or seeps.....	X		
ELECTRICAL SYSTEM:				
Wiring	Broken strands; cracked insulation; fungus growth.....	X		
	Frayed; checked; lo10 of flexibility.....		X	
Terminals and connections	Stage III corrosion; broken terminals.....	X		
	Stage II corrosion.....		X	
Spark plugs	Stage III corrosion on spark point end; ceramic insulator broken.....		X	
	Stage II corrosion on spark point end.....			X
Switches, regulators, magnetos and controllers	Stage III corrosion; frozen.....		X	
	Stage II corrosion.....		X	
Generator assemblies and starters	Stage III corrosion; frozen.....	X		
	Stage II corrosion.....		X	
CONTROLS AND INSTRUMENTS:				
	Stage III corrosion; cracked or broken; inoperable; dial face illegible.....	X		
	Stage II corrosion; linkage frozen.....		X	
DRIVE BELTS AND HOSES:				
	Checking; cracking; broken reinforcing; frayed; cut; loss of flexibility and resiliency; fungus growth.....		X	
GEARS:				
Exposed	Chipped, cracked or broken; stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Enclosed	Chipped, cracked or broken; stage III corrosion.....	X		
	Stage II corrosion; lubricant contaminated.....		X	
PULLEYS AND DRIVE SPROCKETS:				
	Cracked or broken; stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
HYDRAULIC SYSTEM:				
Lines, hoses and fittings	Kinked; broken; leaks or seeps; checked or cracked; fungus growth; loss of flexibility.....	X		
Pump and/or fluid reservoir	Body cracked or broken; stage III corrosion.....	X		
	Stage II corrosion on internal surfaces.....		X	
Cylinders and valves	Stage III corrosion.....	X		
	Stage II corrosion on rods and/or internal surfaces of cylinders and valves.....		X	
Operating fluid	Contaminated.....		X	

Item	Defect	Classification		
		Major		Minor
		A	B	
Gaskets and seals	Deteriorated; leaks or seeps.....	X		
Filter	Stage III corrosion on internal surfaces.....	X		
	Stage II corrosion on internal surfaces; element contaminated.....		X	
CLUTCH ASSEMBLY:				
Bearings, shafts, linkage and springs	Stage III corrosion; frozen.....	X		
	Stage II corrosion.....		X	
Metal disks and plates	Stage III corrosion.....	X		
	Stage II corrosion.....		X	
Fiber disks and bands	Deteriorated; punctured or torn.....	X		
Lubricant	Contaminated.....		X	
BRAKE ASSEMBLY:				
Drum and/or shoes	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Springs, anchors, cable, yokes and/or linkage	Stage IV corrosion; distorted or broken.....	X		
	Stage III corrosion; frozen.....		X	
	Stage II corrosion.....			X
TRANSMISSION:				
	Stage III corrosion on internal surfaces; seals deteriorated, leaks.....	X		
	Stage II corrosion on internal surfaces; contaminated lubricant.....		X	
DRIVE CHAINS:				
Precision	Stage III corrosion; cracked or broken links.....	X		
	Stage II corrosion; pins and/or rollers frozen.....		X	
Non-precision	Stage IV corrosion; cracked or broken links.....	X		
	Stage III corrosion; pins and/or rollers frozen.....		X	
	Stage II corrosion.....			X
WIRE ROPE:				
	Stage IV corrosion; broken strands.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
BASIC ISSUE ITEMS (BII):				
	Missing.....	X		
	Deteriorated or damaged.....		X	
COMPONENTS AND ACCESSORIES:				
	Missing; incomplete.....	X		
	Deteriorated or damaged.....		X	
LIFTING AND/OR TIE DOWN DEVICES:				
	Cracked, broken or distorted.....		X	

Item	Defect	Classification		
		Major		Minor
		A	B	
WARNING OR CAUTION PLATES:	Illegible; missing.....	X		
MODIFICATION WORK ORDER (MWO): Urgent classification Routine classification	Not applied..... Not applied.....	X X	X	
EQUIPMENT LOG BOOK (TM 38-750):	Missing..... Incomplete.....	X X	X	
DATA PLATES:	Illegible; missing.....			X
DEPRESERVATION GUIDE (DA FORM 2258):	Illegible; missing.....			X

**APPENDIX III-Q
ITEM DEFECTS FOR CRUSHING, SCREENING,
SCRUBBING AND WASHING EQUIPMENT**

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General broken or missing Dents Painted surfaces Stage II corrosion Unpainted noncritical surfaces Stage III corrosion Stage II corrosion	Fractures; base mounting and/or fastening devices, x X Stage III corrosion; chipped or abraded X X Stage IV corrosion..... X x			
CHASSIS:				
Frame and springs Stage III corrosion Stage II corrosion Tires Checks and cracks extending to the cord; cut or punctured; bulges indicating ply separation; chunking of rubber x Wheels Stage III corrosion Stage II corrosion Leveling jacks: Machined surfaces Stage II corrosion Non-machined surfaces Stage III corrosion Stage II corrosion Fifth wheel and or dolly Stage II corrosion Pintle hook broken Stage III corrosion Stage II corrosion	Cracked or broken welds; stage IV corrosion..... X x Distorted; broken; stage IV corrosion..... X x Stage III corrosion X Stage IV corrosion..... X x Stage III corrosion x Stage IV corrosion; bent or distorted; cracked or x X x			
STEERING SYSTEM:				
Drawbar and/or tongue and front axle assembly broken welds Stage III corrosion Stage II corrosion Safety chains broken links Stage III corrosion Stage II corrosion	Stage IV corrosion; bent or distorted; cracked or x X x Stage IV corrosion;missing;cracked x X x			

Item	Defect	Classification		
		Major		Minor
		A	B	
Lunette	Stage IV corrosion; bent or distorted; cracked			
or broken	x			
Stage III corrosion	..... X			
Stage II corrosion	.....	x		
ENGINE ASSEMBLY:				
Valve, rocker arm assembly and combustion chambers	Stage II corrosion.....	x		
Stage I corrosion	..... X			
Piston piston assembly walls	Stage II corrosion.....	x		
Stage I corrosion	..... X			
Flywheel and ring gear	Stage IV corrosion; ring gear chipped, cracked or			
broken	x			
Stage III corrosion	..... X			
Stage II corrosion	.....	x		
Air cleaner	Stage IV corrosion.....	x		
Stage III corrosion	..... X			
Stage II corrosion	.....	x		
Cooling system:				
Radiator	Stage IV corrosion on internal surfaces; leaks	x		
Stage III corrosion on internal surfaces; coolant contaminated	..... X			
Stage II corrosion on internal surfaces	.....	x		
Shutter and controls	Stage IV corrosion.....	x		
Frozen; stage III corrosion	..... X			
Stage II corrosion	.....	x		
Fan Blades broken; stage IV corrosion	x			
Bent; stage III corrosion	..... X			
Stage II corrosion	.....	x		
Cooling fins required	Bent or otherwise damaged to the extent repair is	x		
Seals and gaskets	Deteriorated; leaks or seps	x		
Hoses and belts	Checking or cracking; frayed or cut; low of flexibility; fungus growth; broken reinforcing	x		
Pulleys	Cracked; broken; stage IV corrosion	x		
Stage III corrosion	..... X			
Stage II corrosion	.....	x		
Water pump	Stage IV corrosion on internal surfaces;			
frozen; leaks	x			
Stage III corrosion on internal surfaces	..... X			
Stage II corrosion on internal surfaces	.....	x		
Fuel System:				
Tanks:				
Internal surfaces	Stage III corrosion.....	x		
Stage II corrosion; coating peeling or flaking	.....	x		

Item	Defect	Classification		
		Major		Minor
		A	B	
External surfaces Stage IV corrosion x Stage III corrosion X Stage II corrosion Lines, hoses and connectors Cracked or checked; kinked; broken; fungus growth x Filters and sediment bowls broken x Stage IV corrosion on internal surfaces; cracked or deteriorated or contaminated X Stage II corrosion on internal surfaces Carburetor, injectors or nozzles Stage III corrosion; cracked or broken X Stage II corrosion; contaminated X Seals Deteriorated; leaks or seeps X Exhaust system: Rain cap Stage IV corrosion; cracked, broken or missing X Stage III corrosion X Stage II corrosion X Brackets and hangers Stage IV corrosion; cracked or broken X Stage III corrosion X Stage II corrosion X Intake and exhaust manifolds, muffler and pipes Stage IV corrosion; punctured X Stage III corrosion X Stage II corrosion X				
LUBRICATION SYSTEM: Lines, hoses and fittings cracked; fungus growth x Filters surfaces x Stage II corrosion on internal surfaces; element deteriorated or contaminated X Lubricant Contaminated X Seals Deteriorated; leaks or seeps X				
GOVERNORS: Stage IV corrosion; linkage broken X Stage III corrosion; linkage broken X Stage II corrosion X				
ELECTRICAL SYSTEM: Wiring Broken strands; cracked insulation; fungus growth x				

Item	Defect	Classification		
		Major		Minor
		A	B	
Frayed; checked; loss of flexibility X Terminals and connections Stage III corrosion; broken terminals..... X Stage II corrosion X Spark plugs Stage III corrosion on spark point end; ceramic in- sulator broken X Stage II corrosion on spark point end X Power cable reels Stage IV corrosion; bent or distorted; brake control or reel frozen x Stage III corrosion X Stage II corrosion X Switches, regulators, relays, magnetos and controllers Stage III corrosion; broken; frozen X Stage II corrosion X Generator assemblies, electric motors and starters Stage III corrosion; frozen..... X Stage II corrosion X Lights and reflectors Stage III corrosion; cracked or broken X Stage II corrosion X				
CONTROLS AND INSTRUMENTS: dial face illegible Stage II corrosion; linkage frozen X	Stage III corrosion; cracked or broken; inoperable; x X			
PULLEYS, DRIVE SPROCKETS AND IDLERS: corrosion Stage III corrosion X Stage I corrosion X	Cracked or broken; distorted; stage IV x X X			
WATER SUPPLY SYSTEM: Piping flanged couplings damaged Stage III corrosion X Stage II corrosion X Hoses Stage IV corrosion; checking or cracking; frayed or cut; loss of flexibility; fungus growth; broken rein- forcing; flanged couplings damaged X Stage III corrosion X Stage II corrosion X Pontoons Stage 1V corrosion; damaged to the extent repair is required x Stage III corrosion X Stage II corrosion X				

Item	Defect	Classification		
		Major		Minor
		A	B	
GEARS: Exposed Stage III corrosion Stage II corrosion Enclosed seals; leaks Stage II corrosion on internal surfaces; lubricant contaminated	Chipped, cracked or broken; stage IV corrosion..... X Stage III corrosion on internal surfaces; deteriorated x Stage II corrosion on internal surfaces; lubricant X	x		
DRIVE CHAINS: Precision Stage II corrosion; pins and/or rollers frozen..... Non-precision Stage IV corrosion; cracked or broken links..... Stage III corrosion; pins and/or rollers frozen..... Stage II corrosion	Stage III corrosion; cracked or broken links Stage II corrosion; pins and/or rollers frozen..... Stage IV corrosion; cracked or broken links..... Stage III corrosion; pins and/or rollers frozen..... Stage II corrosion	x	x	
HYDRAULIC SYSTEM: Lines, hoses and fittings fungus growth; loss of flexibility Pump and/or fluid reservoir Stage II corrosion on internal surfaces Cylinders and valves Stage II corrosion on rods and/or internal surfaces of cylinders and valves Operating fluid Gaskets and seals Filters Stage II corrosion on internal surfaces; element contaminated	Kinked; broken; leaks or seeps; checked or cracked; x Body cracked or broken; stage III corrosion..... Stage II corrosion on internal surfaces Stage III corrosion Stage II corrosion on rods and/or internal surfaces of cylinders and valves X Contaminated X Deteriorated; leaks or seeps X Stage III corrosion on internal surfaces..... X Stage II corrosion on internal surfaces; element contaminated X	x	x	
CLUTCH ASSEMBLY: Bearings, shafts, linkage and springs Stage II corrosion Metal disks and plates Stage II corrosion Fiber disks and bands Lubricant	Stage III corrosion; frozen X X Stage III corrosion X X Deteriorated; punctured or torn..... X Contaminated X	x	x	
BRAKE ASSEMBLY: Drum and/or shoes Stage III corrosion Stage II corrosion Springs, anchors, cable, yokes and/or linkage Stage III corrosion; frozen Stage II corrosion	Stage IV corrosion..... X Stage IV corrosion; distorted or broken X X	x	x	

Item	Defect	Classification		
		Major		Minor
		A	B	
Fluid reservoirs, wheel and master cylinders corrosion on external surfaces; leaks; boots deteriorated; frozen Stage III corrosion on external surfaces; stage II corrosion on internal surfaces X Air reservoir tanks corrosion on external surfaces x Stage II corrosion on internal surfaces; stage III corrosion on external surfaces x Cylinder actuating rods Stage III corrosion X Stage II corrosion x Lines, hoses and fittings flexibility Checked; cracked; kinked; split or cut; leaks; loss of flexibility x	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces; leaks; boots x Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces; stage III corrosion on external surfaces x Stage IV corrosion x Checked; cracked; kinked; split or cut; leaks; loss of flexibility x			
DRIVE BELTS AND HOSES: loss of flexibility and resiliency; fungus growth	Checking; cracking; broken reinforcing; frayed; cut; fungus growth	X		
CONVEYOR ASSEMBLIES: Conveyor frame distorted; rollers or belt adjustments frozen Stage II corrosion x Conveyor belt loss of flexibility and resiliency; fungus growth	Stage III corrosion; cracked or broken welds; bent or distorted; rollers or belt adjustments frozen Checking; cracking; broken reinforcing; frayed; cut; fungus growth		x	
WIRE ROPE: Stage III corrosion Stage II corrosion	Stage IV corrosion; broken strands X X		x	
BASIC ISSUE ITEMS (BII): Missing Deteriorated or damaged	x X			
COMPONENTS AND ACCESSORIES: Deteriorated or damaged	Missing; incomplete x		x	
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken or distorted		x	
WARNING OR CAUTION PLATES:	Illegible; missing		x	
MODIFICATION WORK ORDER (MWO): Urgent classification Routine classification	Not applied Not applied		x	X

Item	Defect	Classification		
		Major		Minor
		A	B	
EQUIPMENT LOG BOOK (TM 38-750): Incomplete	Missing..... x	x		
DATA PLATES:	Illegible; missing.....	.	x	
DEPRESERVATION GUIDE (DA FORM 2258):	Illegible; missing.....	.	x	

III-Q-7

**APPENDIX III-R
ITEM DEFECTS FOR DRILL, PNEUMATIC, DRIFTER,
CRAWLER AND WHEEL MOUNTED**

Item	Defect	Classification	
		Major	Minor
		A	B
EXTERIOR SURFACES AND HOUSING: General broken or missing Dents Painted surfaces Unpainted noncritical surfaces Stage III corrosion Stage II corrosion	Fractures; base mounting and fastening devices x X Stage III corrosion; chipped or abraided X Stage IV corrosion x X X		
MAIN FRAME AND TRACK ASSEMBLY: Tracks: Shoes Stage III corrosion Stage II corrosion Links, springs or adjusting screws Stage II corrosion Tow hitch Drive sprockets and track rollers Stage III corrosion Stage II corrosion Final drives gears; deteriorated seals; leaks Stage II corrosion on shafts, pinions, bearings or gears; lubricant contaminated Manifold lubricating oil reservoir seals, O-ring or gasket deteriorated Stage II corrosion on interior surfaces; lubricant contaminated	Stage IV corrosion..... x X X Stage III corrosion x X Bent, broken, or frozen X Cracked or broken; stage IV corrosion x X X Stage III corrosion on shafts, pinions, bearings or gears; deteriorated seals; leaks x Stage II corrosion on shafts, pinions, bearings or gears; lubricant contaminated X Stage III corrosion on interior surfaces; deteriorated seals, O-ring or gasket deteriorated x Stage II corrosion on interior surfaces; lubricant contaminated X		
WAGON FRAME ASSEMBLY: Pneumatic tires cutured; bulges indicating ply separation; chunking of rubbe Wheels grease seals deteriorated or leaking; stage IV corrosion on external surfaces	Checks; and cracks extending to the cord; cut or punctured; bulges indicating ply separation; chunking x Stage III corrosion on bearings and/or bearing cups; grease seals deteriorated or leaking; stage IV corrosion on external surfaces x		

Item	Defect	Classification		
		Major		Minor
		A	B	
<p>Jack screws and tube assemblies surfaces</p> <p>Stage III corrosion on sliding and/or threaded surfaces x</p> <p>Stage II corrosion on sliding and/or threaded surfaces X</p> <p>Gear housing (lift jack hand crank) deteriorated or leaking x</p> <p>Stage II corrosion of internal surfaces; lubricant contaminated X</p> <p>Eyebolts, axle pivot pins, axle locking studs and swivel nuts</p> <p>Stage III corrosion; frozen or missing X</p> <p>Stage II corrosion X</p>				
<p>TRACTION DRIVE GEAR HOUSING:</p> <p>Interior surfaces</p> <p>Stage III corrosion on drive shaft, bearings, and other machined surfaces; seals deteriorated or leaking x</p> <p>Stage II corrosion on drive shaft, gears, bearings, and other machined surfaces; lubricant contaminated X</p> <p>Brake cylinder gaskets or O-ring stage IV corrosion on external surfaces x</p> <p>Stage IV corrosion on internal surfaces, stage III corrosion on external surfaces X</p> <p>Clutch lock pin handle Bent or broken X</p>				
<p>PROPELLING AIR MOTORS:</p> <p>Interior surfaces</p> <p>Stage II corrosion on cylinder walls, bearings and other critical surfaces; seals deteriorated or leaking x</p> <p>Stage I corrosion on cylinder walls, valves and bearings X</p> <p>Vent caps</p> <p>Stage IV corrosion on interior surfaces X</p> <p>Stage III corrosion on interior surfaces X</p> <p>Screen contaminated with dirt or other foreign matter X</p>				
<p>PROPELLING CONTROL VALVES:</p> <p>Interior surfaces</p> <p>Stage III corrosion X</p> <p>Stage II corrosion; O-ring or gasket deteriorated X</p> <p>Control arms and handles Bent, broken or distorted X</p>				

Item	Defect	Classification		
		Major		Minor
		A	B	
MANIFOLD LUBRICATOR: Interior surfaces Stage II corrosion; O-ring deteriorated Needle valve	Stage III corrosion Stage II corrosion; O-ring deteriorated Handwheel broken; stem bent or frozen.....	x x x		
MAIN AIR VALVE: and/or plug deteriorated Stage II corrosion on interior surfaces; broken or distorted	Stage III corrosion on interior surfaces; O-ring x Stage II corrosion on interior surfaces; handle bent, broken or distorted		x	
HYDRAULIC BOOM: Boom Hydraulic tank contaminated Hydraulic tank oil filters contaminated with foreign matter Piston rods Stage II corrosion Seals Boom turret or missing	Bent, broken or distorted Stage III corrosion on internal surfaces..... Stage II corrosion on internal surfaces; leaking filter; x Stage III corrosion Deteriorated or leaking Bent, broken or distorted; locking pin frozen	x x x x x x		
HYDRAULIC BOOM CONTROL VALVES: Interior surfaces Stage II corrosion Plungers (spool) Stage II corrosion Seals Control levers and cables posed portion of cables Stage II corrosion on exposed portion of cables	Stage III corrosion Stage III corrosion Deteriorated or leaking Bent, broken or distorted; stage III corrosion on ex- posed portion of cables Stage II corrosion on exposed portion of cables	x x x x x		
HYDRAULIC BOOM PUMP AND AIR MOTOR: Interior surfaces Stage I corrosion Seals	Stage II corrosion Deteriorated or leaking	x x x		
DRILL ASSEMBLY: Drill guide: Centralizer foot piece and drill guide Feed chain Stage II corrosion; pins and/or rollers frozen Drifter drill Stage II corrosion on internal surfaces	Bent, broken or distorted Stage III corrosion; cracked or broken links Stage II corrosion; pins and/or rollers frozen..... Stage III corrosion on internal surfaces..... Stage II corrosion on internal surfaces	x x x x x		

Item	Defect	Classification		
		Major		Minor
		A	B	
Air feed motor: Air motor Stage II corrosion on interior critical surfaces Stage I corrosion on interior critical surfaces Gear housings Stage III corrosion on internal surfaces..... Stage II corrosion on internal surfaces; lubricant contaminated X Remote control Manifold: Interior surfaces Stage III corrosion X Stage II corrosion X Plunger (spool) Stage III corrosion on exposed portions X Stage II corrosion on exposed portions X Control levers Bent, broken or distorted X Seals O-ring or gasket deteriorated..... X End sprocket Stage III corrosion X Stage II corrosion X Rear sprocket carrier and take-up nut Stage III corrosion on threads X Stage II corrosion on threads X				
AIR AND HYDRAULIC LINES AND FITTINGS: Connecting air and/or hydraulic lines bent or broken; damaged threads; checking or cracking; broken reinforcing; frayed or cut; fungus growth X				
AIR LINE LUBRICATORS: Stage III corrosion on internal surfaces X Stage II corrosion on internal surfaces; lubricant contaminated X				
TOOL BOX: Stage IV corrosion on hinges and fasteners X Stage III corrosion on hinges and fasteners X Stage II corrosion on hinges and fastener X			X	
MODIFICATION WORK ORDER (MWO): Urgent classification Routine classification	Not applied X Not applied X			
EQUIPMENT LOG BOOK (TM 38-750): Incomplete	Missing X X			
COMPONENTS AND ACCESSORIES: Deteriorated or damaged	Missing; incomplete X X			
LIFTING AND/OR TIEDOW ATTACHMENTS:	Cracked, broken or distorted X			

Item	Defect	Classification		
		Major		Minor
		A	B	
WARNING OR CAUTION PLATES:	Illegible or missing	x		
DATA PLATES:	Illegible or missingx		
DEPRESERVATION GUIDE (DA FORM 2258):	Illegible or missingx		

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**APPENDIX III-S
ITEM DEFECTS FOR DRILLING MACHINE, WELL, PERCUSSION
GASOLINE-ENGINE-DRIVEN, SKID-MOUNTED**

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS: General Dents Painted surfaces Stage II corrosion Unpainted noncritical surfaces Stage III corrosion Stage II corrosion	Fractures; base mounting and/or fastening devices broken or missing x X Stage III corrosion; chipped or abraded ..... .x X Stage IV corrosion x X x			
STRUCTURAL MEMBERS: cracked broken welds Stage III corrosion Stage II corrosion	Stage IV corrosion; dents;twisted; bent; x X X			
SAFETY GUARDS AND SHIELDS: stage IV corrosion Stage III corrosion	Distorted; incomplete, damagedormissing; x X			
SHEAVES AND PULLEYS: corrosion Stage III corrosion Stage II corrosion	Cracked; broken; distorted or frozen; stage IV x X x			
ENGINE ASSEMBLY: Valves, rocker arm assembly and combustion chambers Stage I corrosion Piston assembly and cylinder walls Stage I corrosion Flywheel and ring gear or broken Stage III corrosion Stage II corrosion Air cleaner Stage III corrosion Stage II corrosion	 Stage II corrosion x X Stage II corrosion x X Stage IV corrosion; ring gear chipped, cracked x X x Stage IV corrosion x X x			

Item	Defect	Classification		
		Major		Minor
		A	B	
Cooling system:				
Radiator	Stage IV corrosion on internal surfaces: leaks.....	x		
Stage III corrosion on internal surfaces; coolant contaminated	.....	x		
Stage II corrosion on internal surfaces	.....	x		
Shutters and controls	Stage IV corrosion.....	x		
Frozen; stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Fan Blades broken; stage IV corrosion	x			
Bent; stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Cooling fans	Bent or otherwise damaged to the extent			
repair is required	.....	x		
Seals and gaskets	Deteriorated; leaks or seeps	x		
Hoses and belts	Checking or cracking; frayed or cut; loss of flexibility; fungus growth; broken reinforcing.....	x		
Pulleys	Cracked; broken; stage IV corrosion	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Water pump	Stage IV corrosion on internal surfaces; frozen; leaks.....	x		
Stage III corrosion on internal surfaces	.....	x		
Stage II corrosion on internal surfaces	.....	x		
Fuel system:				
Tanks:				
Internal surfaces	Stage III corrosion	x		
Stage II corrosion; coating peeling or flaking	.....	x		
External surfaces	Stage IV corrosion.....	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Lines, hoses and connectors	Cracked or checked; kinked; broken; fungus growth.....	x		
Filters and sediment bowls	Stage IV corrosion on internal surfaces; cracked or broken	x		
Stage III corrosion on internal surfaces; element deteriorated or contaminated	.....	x		
Stage II corrosion on internal surfaces	.....	x		
Carburetor	Stage III corrosion; cracked or broken	x		
Stage II corrosion; contaminated	.....	x		
Seals	Deteriorated; leaks or seeps	x		
Exhaust system:				
Rain cap	Stage IV corrosion; cracked, broken or missing	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		

Item	Defect	Classification		
		Major		Minor
		A	B	
Brackets and hangers Stage III corrosion Stage II corrosion manifolds, muffler and pipes Stage III corrosion Stage II corrosion	Stage IV corrosion; cracked or broken X Stage IV corrosion; punctured..... X X	x x x x		
ELECTRICAL SYSTEM: Wiring Frayed; checked; loss of flexibility Terminals and connections Stage II corrosion Spark plugs insulator broken Stage II corrosion on spark point end Switches, regulators, relays, magnetos and controllers Stage II corrosion Generator assemblies and starters Stage II corrosion Lights Stage II corrosion	Broken strands; cracked insulation; fungus growth X Stage III corrosion; broken terminals..... X Stage III corrosion on spark point end; ceramic X Stage II corrosion on spark point end X Stage III corrosion; broken; frozen X Stage III corrosion; frozen..... X Stage III corrosion; cracked or broken X	x x x x x x x x x		
LUBRICATION SYSTEM: Lines, hoses and fittings cracked; fungus growth Filters Stage II corrosion on internal surfaces; element deteriorated or contaminated Lubricant Seals Oil cooler	Kinked; broken; leaks or seeps; checked or x Stage III corrosion on internal or external surfaces X Contaminated X Deteriorated; leaks or seeps X Bent or broken; leaks X	x x x x		
CONTROLS AND INSTRUMENTS: dial face illegible Stage II corrosion; linkage frozen	Stage III corrosion; cracked or broken; inoperable; x X			
GOVERNORS: Stage III corrosion; linkage frozen Stage II corrosion	Stage IV corrosion; linkage broken..... X X	x x		
DRIVE CHAINS AND SPROCKETS: Stage II corrosion; pins and/or rollers frozen.....	Stage III corrosion; cracked or broken links X X	x x		

Item	Defect	Classification		
		Major		Minor
		A	B	
WIRE ROPE: Stage III corrosion Stage II corrosion	Stage IV corrosion; broken strands X	x		
GEARS: Exposed Stage III corrosion Stage II corrosion Enclosed Stage II corrosion; lubricant contaminated	Chipped, cracked or broken; stage IV corrosion..... X Chipped, cracked or broken; stage III corrosion X	x		
CLUTCH ASSEMBLY: Bearings, shafts, linkage and springs Stage II corrosion Metal disks and plates Stage II corrosion Fiber disks and bands Lubricant	Stage III corrosion; frozen..... X Stage III corrosion X Deteriorated; punctured or torn..... Contaminated X	x		
BRAKE ASSEMBLY: Drum and/or shoes Stage III corrosion Stage II corrosion Springs, anchors, cable, yokes and/or linkage Stage III corrosion; frozen Stage II corrosion Hydraulic cylinders corrosion on external surfaces; leaks; boots deteriorated; frozen Stage III corrosion on external surfaces; stage II corrosion on internal surfaces Cylinder actuating rods Stage III corrosion Stage II corrosion Lines, hoses and fittings	Stage IV corrosion..... X Stage IV corrosion; distorted or broken X Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces; leaks; boots x Stage III corrosion on external surfaces; stage II corrosion on internal surfaces X Stage IV corrosion..... X Checked; cracked; kinked; split or cut; leaks; loss of flexibility X	x		
JACKS: Stage III corrosion	Distorted; broken or frozen; stage IV corrosion..... X	x		
BASIC ISSUE ITEMS (BII): Deteriorated or damaged	Missing..... X	x		

Item	Defect	Classification		
		Major		Minor
		A	B	
COMPONENTS AND ACCESSORIES: Deteriorated or damaged	Missing; incomplete..... x	x		
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken or distorted	X		
WARNING OR CAUTION PLATES:	Illegible; missing	x		
MODIFICATION WORK ORDER (MWO): Urgent classification Routine classification	Not applied..... Not applied.....	x X		
EQUIPMENT LOG BOOK (TM 38-750): Incomplete	Missing..... X	X		
DATA PLATES	Illegible; missing .....	.	x	
DEPRESERVATION GUIDE (DA FORM 2258):	Illegible; missing .....	.	x	

**APPENDIX III-T
ITEM DEFECTS FOR DRIERS - MIXERS, BITUMINOUS -
CONCRETE MATERIALS, WHEEL MOUNTED**

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and/or fastening devices broken or missing	x		
Dents	.....	x		
Painted surfaces	Stage III corrosion; chipped or abraded		x	
Stage II corrosion	.....	x		
Unpainted noncritical surfaces	Stage IV corrosion		x	
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
TRAILER CHASSIS:	Refer to SB 740-97-23			
ENGINE ASSEMBLY:				
Valves, rocker arm assembly and combustion chambers	Stage II corrosion		x	
Stage I corrosion	.....	x		
Piston assembly and cylinder walls.	Stage II corrosion		x	
Stage I corrosion	.....	x		
Flywheel and ring gear	Stage IV corrosion; ring gear chipped, cracked, or broken		x	
Stage III corrosion	.....	x		
Stage II corrosion	.....		x	
Air cleaner	Stage IV corrosion		x	
Stage III corrosion	.....	x		
Stage II corrosion	.....		x	
Cooling system:				
Radiator	Stage IV corrosion on internal surfaces; leaks		x	
Stage III corrosion on internal surfaces; coolant contaminated	.....	x		
Stage II corrosion on internal surfaces	.....	x		
Shutters and controls	Stage IV corrosion		x	
Frozen; stage III corrosion	.....	x		
Stage II corrosion	.....		x	
Fan Blades broken; stage IV corrosion	x			
Bent, stage III corrosion	.....	x		
Stage II corrosion	.....		x	
Cooling fins	Bent or otherwise damaged to the extent repair is required		x	
Seals and gaskets	Deteriorated; leaks or seeps		x	
Hoses and belts	Checking or cracking; frayed or cut; loss of flexibility;			
fungus growth; broken reinforcing	.....	x		
Pulleys	Cracked; broken; stage IV corrosion		x	
Stage III corrosion	.....	x		
Stage II corrosion	.....		x	
Water pump	Stage IV corrosion on internal surfaces; frozen; leaks		x	
Stage III corrosion on internal surfaces	.....	x		
Stage II corrosion on internal surfaces	.....		x	
Fuel system:				
Tanks:				
Internal surfaces	Stage III corrosion		x	
Stage II corrosion; coating peeling or flaking	.....	x		
External surfaces	Stage IV corrosion		x	
Stage III corrosion	.....	x		
Stage II corrosion	.....		x	
Lines, hoses and connectors	Cracked or checked; kinked; broken; fungus growth		x	
Filters and sediment bowls	Stage IV corrosion on internal surfaces; cracked or broken		x	
Stage III corrosion on internal surfaces; element deteriorated or contaminated	.....	x		
Stage II corrosion on internal surfaces	.....		x	
Carburetor, injectors or nozzles	Stage III corrosion; cracked or broken		x	
Stage II corrosion; contaminated	.....	x		
Seals	Deteriorated; leaks or seeps		x	
Exhaust system:				
Rain cap	Stage IV corrosion; cracked, broken or missing		x	

Item	Defect	Classification	
		Major	Minor
		A	B
Stage III corrosion Stage II corrosion Brackets and hangers Stage III corrosion Stage II corrosion Intake and exhaust manifolds, muffler and pipes. Stage III corrosion Stage III corrosion	..... X Stage IV corrosion; cracked or broken X Stage IV corrosion; punctured..... X	 X X X X X	
ELECTRICAL SYSTEM: Wiring Frayed; checked; loss of flexibility Terminals and connections Stage II corrosion Spark plugs Stage II corrosion on spark point end Switches, regulators, relays, magnetos and controllers. Stage II corrosion Generator assemblies, electric motors and starters. Stage II corrosion Lights and reflectors Stage I I corrosion	Broken strands, cracked insulation; fungus growth X X Stage III corrosion; broken terminals..... X X Stage III corrosion on spark point end X X Stage III corrosion; broken; frozen X X Stage III corrosion; frozen..... X X Stage III corrosion; cracked or broken X X	X X X X X X X	
LUBRICATION SYSTEM: Lines, hoses and fittings Filters Stage II corrosion on internal surfaces or contaminated Lubricant Seals	Kinked; broken; leaks or seeps; checked or cracked; fungus growth Stage III corrosion on internal or external surfaces X X Contaminated X Deteriorated; leaks or seeps X	X X X X	
CONTROLS AND INSTRUMENTS: Stage II corrosion; linkage frozen	Stage III corrosion; cracked or broken; inoperable; dial face illegible X	X	
GOVERNORS: Stage III corrosion; linkage frozen Stage II corrosion	Stage IV corrosion; linkage broken..... X	X X X	
CLUTCH REDUCTION ASSEMBLY: Bearings, shafts, linkage and springs. Stage II corrosion Metal disks, plates and gears Stage II corrosion Lubricant	Stage III corrosion; frozen..... X Stage III corrosion X X Contaminated X	 .X X X X	
DRIVE BELTS AND HOSES: cut; loss of flexibility and resiliency; fungus growth	Checking; cracking; broken reinforcing, frayed; X		
GEARS; E xposed Stage III corrosion Stage II corrosion Enclosed Stage II corrosion; lubricant contaminated	Chipped, cracked or broken; stage IV corrosion..... X Chipped, cracked or broken; stage III corrosion X	X X X X	
PULLEYS AND DRIVEa SPROCKETS: Stage III corrosion Stage II corrosion	Cracked or broken; stage IV corrosion..... X	X X	
DRIVE CHAINS: Precision Stage II corrosion; pins and/or rollers frozen..... Nonprecision Stage III corrosion; pins and/or rollers frozen..... Stage II corrosion	Stage III corrosion; cracked or broken links Stage IV corrosion; cracked or broken links.....	X X X X X	

Item	Defect	Classification		
		Major		Minor
		A	B	
DRIVE SHAFTS:	Stage III corrosion on critical surfaces of shafts,			
bearings, bushings, springs, and bearing housings		x		
Stage II corrosion on critical surfaces of shafts,				
bearings, bushings, springs, and bearing housings		x		
HEATING SYSTEM:				
Fuel tank:				
Internal surfaces	Stage III corrosion	x		
Stage II corrosion	.....	x		
External surfaces	Stage IV corrosion.....	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Lines, hoses, and connectors	Cracked or checked; kinked; broken; fungus growth.....	x		
Burner fuel pump	Stage III corrosion on internal surfaces.....	x		
Stage II corrosion on internal surfaces		x		
Fuel strainers	Punctured; torn or bent; contaminated gaskets; leaks.....	x		
Burner assembly	Stage III corrosion on internal surfaces; breaks;			
cracks or leaks	x			
Stage II corrosion on internal surfaces		x		
Gages and thermometers	Glass broken or discolored; dial faces deteriorated;			
inoperable	x			
Valves	Stage IV corrosion; frozen; leaks	x		
Stage III corrosion	.....	x		
Combustion chambers and flues	Stage IV corrosion; breaks; cracks or bends.....	x		
Stage III corrosion	.....	x		
Blower	Stage III corrosion on shafts, gears, impeller or			
cage, bearings, and interior surfaces of air cleaner		x		
Stage II corrosion on shafts, gears, impeller or				
cage, bearings, and interior surfaces of air cleaner		x		
Blower clutch	Stage III corrosion on cone, adjusting ring, plate,			
and separator springs	x			
Stage II corrosion on cone, adjusting ring, plate,				
and separator springs	.....	x		
Exhaust stack	Stage IV corrosion on interior surfaces.....	x		
Stage III corrosion on interior surfaces		x		
ASPHALT PUMP:	Stage IV corrosion on internal surfaces; impeller			
frozen; leaks	x			
Stage III corrosion on internal surfaces		x		
Stage II corrosion on internal surfaces		x		
CLUTCH (ASPHALT PUMP):				
Bearings, shafts, linkage,	Stage III corrosion; frozen.....	x		
and springs.	.....	x		
Stage II corrosion	.....	x		
Metal disks and plates	Stage III corrosion	x		
Stage II corrosion	.....	x		
Fiber disks and bands	Deteriorated; punctured or torn.....	x		
ASPHALT TANK AND LINES:	Stage IV corrosion on internal surfaces	x		
Stage III corrosion on internal surfaces		x		
Stage II corrosion on internal surfaces		x		
ASPHALT PUMP				
REVOLUTION COUNTER:	Bent, broken, or inoperative	x		
CHARGING OR BATCHING				
HOPPER:	Stage IV corrosion on internal surfaces of hopper			
and/or screw conveyor	x			
Stage III corrosion on internal surfaces of hopper				
and/or screw conveyor	.....	x		
DRIER DRUM:	Stage IV corrosion on internal surfaces of drum,			
and/or on lifting flights, trunnion rollers and				
trunnion rings; bent, cracked or broken		x		
Stage III corrosion on internal surfaces of drum,				
and/or on lifting flights, trunnion rollers, and				
trunnion rings	.....	x		
BATCH TIMER:	Bent, broken or inoperative	x		

Item	Defect	Classification		
		Major		Minor
		A	B	
DRYING AND MIXING CHAMBER: discharge gate frozen or inoperable x Stage III corrosion on internal surfaces of chamber.....	Stage IV corrosion on internal surfaces of chamber; x Stage III corrosion on internal surfaces of chamber.....	x		
PUGMILL: paddle arms or tips bent, cracked or broken; discharge gate frozen or inoperable x Stage II corrosion on bearings and machined surfaces of stub shaft	Stage III corrosion on paddle arms or paddle tips;- x			
BASIC ISSUE ITEMS (BII): Deteriorated or damaged	Missing x	x		
COMPONENTS AND ACCESSORIES: Deteriorated or damaged	Missing; incomplete x	x		
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken, or distorted	x		
HOODS AND PANELS: hinges or fasteners Stage III corrosion on hinges or fasteners..... Stage II corrosion on hinges or fasteners.....	Bent, broken or dented; stage IV corrosion on x Stage III corrosion on hinges or fasteners..... Stage II corrosion on hinges or fasteners.....	x	x	
WARNING OR CAUTION PLATES:	Illegible; missing	x		
MODIFICATION WORK ORDER (MWO): Urgent classification Routine classification	Not applied Not applied.....	x x		
EQUIPMENT LOG BOOK (TM 387, 50): Incomplete	Missing x	x		
DEPRESERVATION GUIDE (DA FORM 22, 58):	Illegible or missing .....	.	x	

**APPENDIX III-U
ITEM DEFECTS FOR SPREADERS, AGGREGATE,
TOWED-TYPE, TRACTION-POWERED**

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mountings and/or fastening devices broken or missing	x		
Dents	.....	x		
Painted surfaces	Stage III corrosion; chipped or abraded	x		
Stage II corrosion	.....	x		
Unpainted noncritical surfaces	Stage IV corrosion	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
SPREADER HOPPER ASSEMBLY:				
Hopper	Stage IV corrosion on interior surfaces; bent, cracked or deformed;			
broken welds; mounting and/or fastening devices broken	.....	x		
Stage III corrosion on interior surfaces	.....	x		
Belt flashing	Checking; cracking; broken reinforcing; frayed; cut; loss of flexibility and resiliency; fungus growth	x		
Gate (keyboard)	Stage IV corrosion; bent, cracked or broken; frozen	x		
Stage III corrosion	.....	x		
Gate controls	Stage IV corrosion on adjustment screws, links, or other critical surfaces; bent, broken, or deformed; frozen or inoperable	x		
Stage III corrosion on adjustment screws, links, or other critical surfaces	.....	x		
Stage II corrosion on adjustment screws, links, or other critical surfaces	.....	x		
Feed roller	Stage III corrosion on exterior surfaces, bearings, roller shaft, and interior surfaces of bearing block or cap; deteriorated seals	x		
Stage II corrosion on exterior surfaces, bearings, roller shafts, and interior surfaces of bearing block or cap	.....	x		
Agitator	Stage III corrosion on bearings, agitator shaft and interior surfaces of bearing block or cap	x		
Stage II corrosion on bearings, agitator shaft and interior surfaces of bearing block or cap	.....	x		
Operator's platform	Stage IV corrosion; bent, cracked, or broken	x		
Stage III corrosion	.....	x		
Spreader hitch	Stage III corrosion on adjustable hitch lift control pins, springs, linkage, and threaded surfaces and/or hitch trip universal joint frozen or inoperable	x		
Stage II corrosion on adjustable hitch lift control pins, springs, linkage, and threaded surfaces and/or hitch trip universal joint	.....	x		
Balance handles	Stage IV corrosion; bent, cracked or broken; rubber grip missing or deteriorated	x		
Stage III corrosion	.....	x		
PRANSMISSIONS AND DRIVES:				
Drive chains	Stage IV corrosion; pins and/or rollers frozen; cracked or broken links	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Sprockets and idlers	Stage IV corrosion on machined surfaces; chipped, cracked, or broken	x		
Stage III corrosion on machined surfaces	.....	x		
Stage II corrosion on machined surfaces	.....	.	x	
Gears, bearings and shafts	Stage IV corrosion; chipped, cracked, or broken gears	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Housings	Cracked, bent or broken; deteriorated gaskets; contaminated lubricant	x		
TRACTION DRIVE AND SUPPORT WHEELS:				
Axles and bearings	Stage IV corrosion on wheel bearings and machined surfaces of axles; deteriorated gaskets or seals	x		
Stage III corrosion on wheel bearings and machined surfaces of axles	.....	x		
Stage II corrosion on wheel bearings and machined surfaces of axles	.....	.	.x	
Drive shaft assembly	Stage IV corrosion on machined surfaces of shaft, bearings, couplings or chain; chain pins or rollers frozen, and/or cracked or broken links; sprockets chipped, cracked, or broken	x		

Item	Defect	Classification		
		Major		Minor
		A	B	
Tire	Stage III corrosion on machined surfaces of shaft, bearings, couplings, or chain X			
	Stage II corrosion on machined surfaces of shaft, bearings, couplings, or chain X	x		
	Checks and cracks extending to the cord; cut or punctured; bulges indicating ply separation; chunking of rubber X	x		
Clutch	Stage IV corrosion on sprockets, ratchet, springs, spacers, and bushings; sprocket chipped, cracked, or broken; brozen or inoperable X			
	Stage III corrosion on sprockets, ratchet, springs, spacers, and bushings X			
	Stage II corrosion on sprockets, ratchet, springs, spacers, and bushings X	x		
Block-off plates	Bent, broken or deformed, missing X	x		
Hinges or fasteners	Stage IV corrosion; bent or broken X	x		
	Stage III corrosion X			
	Stage II corrosion X	x		
Leveling jacks	Stage IV corrosion; bent, cracked or broken; pin and/or chain broken or missing X			
	Stage III corrosion X	x		
	Stage II corrosion X	x		
Castor (pony wheel assembly)	Stage IV corrosion; bent, cracked or broken; frozen X	x		
	Stage III corrosion X			
TRANSPORT SYSTEM:				
Transport wheel assembly:				
Tires	Checks and cracks extending to the cord; cut or punctured; bulges indicating ply separation; chunking of rubber X	x		
Axles and bearings	Stage IV corrosion on wheel bearings and machined surfaces of axles; deteriorated gaskets or seals X			
	Stage III corrosion on wheel bearings and machined surfaces of axles X	x		
	Stage II corrosion on wheel bearings and machined surfaces of axles X		x	
Jacks (transport wheel removal)	Stage IV corrosion; bent, cracked or broken X	x		
	Stage III corrosion X			
	Stage II corrosion X	x		
Transport tow bar (tongue)	Stage IV corrosion; bent, cracked or broken; damaged threads; safety chain broken or missing X			
	Stage III corrosion X	x		
	Stage II corrosion X	x		
Truck towing hitch	Stage IV corrosion; bent, cracked, or broken X	x		
	Stage III corrosion X			
BASIC ISSUE ITEMS (BIIL):	Missing; incomplete X	x		
Deteriorated or damaged	..... X			
COMPONENTS AND ACCESSORIES:	Missing; incomplete X	x		
Deteriorated or damaged	..... X			
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken, or distorted X	x		
WARNING OR CAUTION PLATES: MODIFICATION WORK ORDER (MWO):	Illegible; missing X	x		
Urgent classification.	Not applied X	x		
Not applied	..... X			
DATA PLATES:	Illegible or missing X		x	

**APPENDIX III-V
ITEM DEFECTS FOR HEATER, BITUMEN**

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and/or fastening devices			
broken or missing Dents	x			
Painted surfaces	Stage III corrosion; chipped or abraded	x		
Stage II corrosion	.....		
Unpainted noncritical surfaces	Stage IV corrosion.....	x		
Stage III corrosion	.....		
Stage II corrosion	.....	x		
CHASSIS:				
Frame and springs	Cracked or broken welds; stage IV corrosion.....	x		
Stage III corrosion	.....		
Stage II corrosion	.....		
Tires	Checks and cracks extending to the cord; cut or			
punctured; bulges indicating ply separation; chunking of rubber	x			
Wheels	Distorted; broken; stage IV-corrosion	x		
Stage III corrosion	.....		
Stage II corrosion	.....		
Support legs	Stage IV corrosion; bent, cracked, or broken; frozen	x		
Stage III corrosion	.....		
Lunette and safety chains	Stage IV corrosion, distorted; broken welds; chains missing	x		
Stage III corrosion	.....		
Stage II corrosion	.....		
Axles and bearing	Stage III corrosion on wheel bearing and machined			
surfaces of axles; deteriorated gaskets or seals.....	.....	x		
Stage II corrosion on wheel bearing and machined	.....		
surfaces of axles	.....	x		
ENGINE ASSEMBLY:				
Valve mechanism and combustion chambers.	Stage II corrosion	x		
Stage I corrosion	.....		
Piston assembly and cylinder walls.	Stage II corrosion	x		
Stage I corrosion	.....		
Air cleaner	Stage IV corrosion.....	x		
Stage III corrosion	.....		
Stage II corrosion	.....		
Cooling fins	Bent or otherwise damaged to the extent repair is required	x		
Drive belts	Checking or cracking; frayed or cut; loss of flexibility; fungus growth; broken reinforcing.....	x		
Pulleys	Cracked; broken; stage IV corrosion	x		
Stage III corrosion	.....		
Stage II corrosion	.....		
Fuel System:				
Tanks:				
Internal surfaces	Stage III corrosion	x		
Stage II corrosion; coating peeling or flaking .....	.....		
External surfaces	Stage IV corrosion	x		
Stage III corrosion	.....		
Stage II corrosion	.....		
Lines, hoses, and connectors	Cracked or checked; kinked; broken; fungus growth.....	x		
Filters and sediment bowls	Stage IV corrosion on internal surfaces; cracked or broken	x		
Stage III corrosion on internal surfaces; element deteriorated or contaminated .....	.....		
Stage II corrosion on internal surfaces .....	.....	x		

Item	Defect	Classification		
		Major		Minor
		A	B	
Carburetor Stage II corrosion; contaminated	Stage III corrosion; cracked or broken	x		
Seals	Deteriorated; leaks or seeps	x		
Exhaust system: Brackets and hangers	Stage IV corrosion; cracked or broken	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Intake and exhaust manifolds, muffler and pipes.	Stage IV corrosion; punctured.....	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
ELECTRICAL SYSTEM:				
Wiring	Broken strands; cracked insulation; fungus growth	x		
Frayed; checked; loss of flexibility	.....	x		
Spark plugs	Stage III corrosion on spark point end; ceramic			
insulator broken	.....	x		
Stage II corrosion on spark point end	.....	x		
Switches, magnetos and timers.	Stage III corrosion; broken; frozen	x		
Stage II corrosion	.....	x		
Lights and reflectors	Stage III corrosion; cracked or broken	x		
Stage II corrosion	.....	x		
LUBRICATION SYSTEM:				
Lines, hoses, and fittings	Kinked; broken; leaks or seeps; checked or cracked;			
fungus growth	x			
Filters	Stage III corrosion on internal or external surfaces	x		
Stage II corrosion on internal surfaces; element	.....	x		
deteriorated or contaminated	.....	x		
Lubricant	Contaminated	x		
Seals	Deteriorated; leaks or seeps	x		
CONTROLS AND INSTRUMENTS:				
dial face illegible	Stage III corrosion; cracked or broken; inoperable;			
Stage II corrosion; linkage frozen	x			
GOVERNORS:	Stage IV corrosion; linkage broken.....	x		
Stage III corrosion; linkage frozen	.....	x		
Stage II corrosion	.....	x		
BRAKE ASSEMBLY:				
Drum and/or shoes	Stage IV corrosion.....	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Springs, anchors, cable, yokes and/or linkage.	Stage IV corrosion; distorted or broken.....	x		
Stage III corrosion; frozen	.....	x		
Stage II corrosion	.....	x		
Fluid reservoirs, wheel and master cylinders.	Stage III corrosion on internal surfaces; stage IV			
corrosion on external surfaces; leaks; hoots	x			
deteriorated; frozen	.....	x		
Stage III corrosion on external surfaces; stage II	.....	x		
corrosion on internal surfaces	.....	x		
Air reservoir	Stage III corrosion on internal surfaces; stage IV			
corrosion on external surfaces	x			
Stage II corrosion on internal surfaces; stage III	.....	x		
corrosion on external surfaces	.....	x		
Cylinder actuating rods	Stage IV corrosion	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Lines, hoses and fittings of flexibility	Checked; cracked; kinked; split or cut; leaks; loss			
	x			
HEATING SYSTEM:				
Fuel oil burner assembly:				
Nozzles	Stage IV corrosion; fuel residue or other foreign matter in openings	x		

Item	Defect	Classification		
		Major		Minor
		A	B	
Stage III corrosion; strainer contaminated.....	.....	x		
Stage II corrosion .....	.....	x		
Burner shell and finned collar (diffuser)	Stage IV corrosion on interior surfaces.....	x		
Stage III corrosion on interior surfaces .....	.....	x		
Fuel oil manifold	Stage IV corrosion.....	x		
Stage III corrosion .....	.....	x		
Stage II corrosion .....	.....	x		
Fuel oil pressure gage inoperative	Glass broken or discolored; dial face deteriorated			
	x			
Fuel oil system:				
Tank	Stage III corrosion on internal surfaces; fuel			
level gage broken or inoperative	x			
Stage II corrosion on internal surfaces; interior contaminated with dirt, sludge, or other foreign matter .....	.....	x		
Fuel lines and piping	Kinked, cracked or broken; leaks	x		
Valves	Stage III corrosion on internal surfaces; handwheels broken; stems bent or frozen, leaks	x		
Stage II corrosion on internal surfaces .....	.....	x		
Fuel oil filter	Stage III corrosion on interior surfaces; leaking connections			
	x			
Stage II corrosion on interior surfaces; filter contaminated; deteriorated gaskets .....	.....	x		
Pump	Stage III corrosion on interior surfaces; cracks or break	x		
Stage II corrosion on interior surfaces; deteriorated seals; gaskets or packing leaks .....	.....	x		
Blower:				
Housing	Stage III corrosion on interior surfaces; bent, broken, or distorted			
	x			
Stage II corrosion on interior surfaces; deteriorated gaskets .....	.....	x		
Shaft and bearing	Stage IV corrosion.....	x		
Stage III corrosion .....	.....	x		
Stage II corrosion .....	.....	x		
Impeller (wheel or rotor)	Stage IV corrosion; bent, broken or distorted	x		
Stage III corrosion .....	.....	x		
Stage II corrosion .....	.....	x		
Air damper	Stage IV corrosion on sliding surfaces; frozen or inoperable.....	x		
Stage III corrosion on sliding surfaces .....	.....	x		
Stage II corrosion on sliding surfaces .....	.....	x		
FEEDWATER AND CONDENSATE SYSTEM:				
Pump	Stage III corrosion on interior surfaces of pump, shaft or bearings; cracks or breaks			
	x			
Stage II corrosion on interior surfaces of pump, shaft or bearings.....	.....	x		
Tanks	Stage III corrosion on interior surfaces	x		
Stage II corrosion on interior surfaces; in tank contaminated with dirt, sludge, or other foreign matter .....	.....	x		
Water strainer	Stage III corrosion on interior surfaces; strainer basket torn or distorted			
	x			
Stage II corrosion on interior surfaces; deteriorated gasket; leaks .....	.....	x		
Water injector	Stage III corrosion on interior surfaces	x		
Stage II corrosion on interior surfaces .....	.....	x		
Piping	Kinked, cracked, or broken; leaks	x		
Water pressure gage	Glass broken or discolored; dial face deteriorated; inoperative	x		
Valves	Stage III corrosion on interior surfaces; handwheels broken; stems bent or frozen; leaks			
	x			
Stage II corrosion on interior surfaces .....	.....	x		
Safety and check valves	Stage III corrosion on interior surfaces; leaks	x		
Stage II corrosion on interior surfaces .....	.....	x		
Water column:				
Internal surfaces	Stage IV corrosion.....	x		
Stage III corrosion .....	.....	x		
Stage II corrosion .....	.....	x		

Item	Defect	Classification		
		Major		Minor
		A	B	
Float Low water switch inoperative Stage II corrosion on terminals and connections Water gage glass Valves and trycocks stems bent or frozen; leaks Stage II corrosion on interior surfaces	Bent, cracked, or punctured Stage III corrosion on terminals and connectors; broken or- x Stage II corrosion on terminals and connections Discolored, cracked, or broken Stage III corrosion on interior surfaces; handwheels broken; x Stage II corrosion on interior surfaces	x x x x		
BOILER SHELL AND TUBE ASSEMBLY: Handhole covers Stage III corrosion; deteriorated gaskets Tubes (flues) Stage III corrosion of interior or exterior surfaces Tube sheet Stage III corrosion Stack Stage III corrosion on interior surfaces Baffle plates Stage III corrosion Refractory material and baffle tiles. Steam pressure gage	Stage IV corrosion: yokes cracked or broken..... Stage IV corrosion of interior or exterior surfaces; cracked or split . Stage III corrosion of interior or exterior surfaces Stage IV corrosion; cracked or- split Stage IV corrosion on interior surfaces..... Stage IV corrosion on interior surfaces..... Stage IV corrosion; bent, cracked, or distorted..... Stage III corrosion Cracked, broken, burned, or disintegrated Glass broken or- discolored; dial face deteriorated; inoperative.....	x x x x x x x x x x		
STEAM CLEANING GUN checked, cracked, cut, or lacks flexibility and resiliency Stage III corrosion on interior surfaces	Stage IV corrosion on interior surfaces; bent, broken or distorted; hose checked, cracked, cut, or lacks flexibility and resiliency Stage III corrosion on interior surfaces	x x		
STEAM HOSES cracking; cut; lack of flexibility and resiliency; fungus growth Stage III corrosion on fittings	Stage IV corrosion on fittings; damaged threads; checking or cracking; cut; lack of flexibility and resiliency; fungus growth Stage III corrosion on fittings	x x		
HOOD AND PANEL Stage III corrosion on hinges or fasteners; frozen Stage II corrosion	Bent, broken or dented; stage IV corrosion on hinges or fasteners Stage III corrosion on hinges or fasteners; frozen Stage II corrosion	x x x		
BASIC ISSUE ITEMS (BII): Deteriorated or damaged	Missing Deteriorated or damaged	x x		
COMPONENTS AND ACCESSORIES: Deteriorated or damaged	Missing; incomplete..... Deteriorated or damaged	x x		
LIFTING AND/OR DOWN TIE DEVICES	Cracked, broken, or distorted	x		
WARNING OR CAUTION PLATES:	Illegible; missing	x		
MODIFICATION WORK ORDER (MWO): Urgent classification Routine classification	Not applied Not applied.....	x x		
EQUIPMENT LOG BOOK (TM :38-750): Incomplete	Missing Incomplete	x x		
DATA PLATES: DEPRESERVATION GUIDE DA FORM 2258):	Illegible; missing Illegible; missing .....	. .	x x	

**APPENDIX III-W
ITEM DEFECTS FOR HEATER, HOT OIL,
SEMITRAILER MOUNTED**

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and/or fastening devices broken or missing	x		
Dents	.....	x		
Painted surfaces	Stage III corrosion; chipped or abraded	x		
Stage II corrosion	.....	x		
Unpainted noncritical surfaces	Stage IV corrosion	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
CHASSIS:				
Frame and springs	Cracked or broken welds; stage IV corrosion	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Tires	Checks and cracks extending to the cord; cut or punctured; bulges indicating ply separation; chunking of rubber	x		
Wheels	Distorted; broken; stage IV corrosion	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Axles and bearings	Stage IV corrosion on wheel bearings and machined surfaces of axles; deteriorated gaskets or seals	x		
Stage III corrosion on wheel bearings and machined surfaces of axles	.....	x		
Stage II corrosion on wheel bearings and machined surfaces of axles	.....	.	.x	
Support legs	Stage IV corrosion; bent, cracked or broken; frozen	x		
Stage III corrosion	.....	x		
BRAKE ASSEMBLY:				
Drum and/or shoes	Stage IV corrosion	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Springs, anchors, cable, yokes and/or linkage	Stage IV corrosion; distorted or broken	x		
Stage III corrosion; frozen	.....	x		
Stage II corrosion	.....	x		
Fluid reservoirs, wheel and master cylinders	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces; leaks; boots deteriorated; frozen	x		
Stage III corrosion on external surfaces; stage II corrosion on internal surfaces	.....	x		
Air reservoir	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces	x		
Stage II corrosion on internal surfaces; stage III corrosion on external surfaces	.....	x		
Cylinder actuating rods	Stage IV corrosion	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Lines, hoses, and fittings	Checked; cracked; kinked; split or cut; leaks; loss of flexibility	x		
ELECTRICAL SYSTEM:				
Wiring	Broken strands; cracked insulation; fungus growth	x		
Frayed; checked; loss of flexibility	.....	x		
Terminals and connections	Stage III corrosion; broken terminals	x		
Stage II corrosion	.....	x		
Temperature control	Glass broken or discolored; dial face deteriorated; capillary tube kinked, cracked or broken; inoperative	x		
Switches, regulators, relays, and controllers.	Stage III corrosion; broken; frozen	x		
Stage II corrosion	.....	x		
Control box	Bent, broken or distorted; stage IV corrosion on hinges or fasteners; deteriorated gasket	x		
Stage III corrosion on hinges or fasteners	.....	x		
Stage II corrosion on hinges or fasteners	.....	x		

Item	Defect	Classification		
		Major		Minor
		A	B	
Lights and reflectors	Stage III corrosion; cracked or broken	x		
Stage II corrosion	.....	x		
HEATER:				
Valves	Stage IV corrosion on interior surfaces; hand-wheels broken; stems bent or frozen; leaks; deteriorated packing and/or gaskets	x		
Stage III corrosion on interior surfaces	.....	x		
Stage II corrosion on interior surfaces	.....	x		
Piping and fittings	Stage IV corrosion on interior surfaces; leaks, breaks, bends or damaged threads	x		
Stage III corrosion on interior surfaces	.....	x		
Hot fluid strainers	Stage IV corrosion on interior surfaces; strainer basket punctured, torn or distorted; leaks	x		
Stage III corrosion on interior surfaces	.....	x		
Stage II corrosion on interior surfaces	.....	x		
Safety controls:				
High temperature control	Stage IV corrosion on terminals and connections; broken or inoperative			x
Stage III corrosion on terminals and connections	.....	x		
Stage II corrosion on terminals and connections	.....	.	x	
Hot oil pressure control	Stage IV corrosion on terminals and connections; broken or inoperative			x
Stage III corrosion on terminals and connections	.....	x		
Stage II corrosion on terminals and connections	.....	.	x	
Low fluid level cutoff	Stage IV corrosion on interior surfaces; float cracked, punctured or distorted; deteriorated gasket; broken or inoperative.....	x		
Stage III corrosion on interior surfaces	.....	x		
Stage II corrosion on interior surfaces	.....	x		
Liquid level sight gage	Glass discolored, cracked or broken	x		
Circulating pump and electric motor:				
Pump:				
Housing	Stage IV corrosion on interior surfaces; bent, broken or distorted;			
deteriorated packing	x			
Stage III corrosion on interior surfaces	.....	x		
Stage II corrosion on interior surfaces	.....	x		
Shafts, bearings, rotor and gears	Stage IV corrosion.....	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Motors:				
Bearings, shaft and rotor	Stage IV corrosion.....	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Wiring	Frayed or cracked insulation; broken strands; fungus growth	x		
Impeller fan and fins	Stage IV corrosion; bent, cracked or broken	x		
Stage III corrosion	.....	x		
Heating system:				
Burner:				
Nozzles	Fuel residue or other foreign matter in openings.....	x		
Electrodes	Stage IV corrosion; bent or broken.....	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Procelain insulators	Glass broken or discolored	x		
Blast tubes and retention ring	Stage IV corrosion; bent, cracked or broken	x		
Stage III corrosion	.....	x		
Air damper cylinder, oil solenoids and linkage	Stage IV corrosion; bent, cracked or broken; frozen or inoperative..	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Blower assembly:				
Housing	Stage IV corrosion on interior surfaces; bent, broken or distorted;			
flame sight glass discolored, cracked, or broken		x		
Stage III corrosion on interior surfaces	.....	x		
Stage II corrosion on interior surfaces	.....	.	x	
Blower wheel	Stage IV corrosion; blades bent, distorted or broken.....	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		

Item	Defect	Classification		
		Major		Minor
		A	B	
Damper blades and rods	Stage IV corrosion; bent, cracked or broken; frozen or inoperative..	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Electric motor	Stage IV corrosion on interior surfaces.....	x		
Stage III corrosion on interior surfaces	.....	x		
Stage II corrosion on interior surfaces	.....	x		
Photo cell	Stage IV corrosion; bent or broken.....	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Fuel oil system:				
Pump	Stage IV corrosion on interior surfaces; cracks or breaks; deteriorated			
gaskets or seals; leaks	x			
Stage III corrosion on interior surfaces	.....	x		
Stage II corrosion on interior surfaces	.....	x		
Fuel lines	Kinked, cra, 'ked or broken; leaks.....	x		
Fuel oil filter	Stage IV corrosion on interior surfaces; leaking at connections;			
filter contaminated; deteriorated gaskets.....		x		
Stage III corrosion on interior surfaces	.....	x		
Stage II corrosion on interior surfaces	.....	x		
Burner exhaust stack	Stage IV corrosion on interior surfaces and/or rain cap hinge;			
bent or cracked	x			
Stage III corrosion on interior surfaces and/or rain cap hinge.....		x		
Stage II corrosion on interior surfaces and/or rain cap hinge.....		.	x	
Heat exchanger (hull):				
Coil Stage IV corrosion on exterior or interior surfaces; bent, cracked, or split.....		x		
Stage III corrosion on exterior or interior surfaces.....		x		
Stage II corrosion on exterior or interior surfaces.....		.	x	
Refractory material	Cracked, broken, burned, or disintegrated.....	x		
Flame view sight	Glass discolored, cracked, or broken.....	x		
Oil reservoir and expansion tank	Stage IV corrosion on interior surfaces; interior contaminated			
with dirt, sludge, or other foreign matter.....		x		
Stage III corrosion on interior surfaces	.....	x		
Stage II corrosion on interior surfaces	.....	x		
Cold seal tank and surge tank	Stage IV corrosion on interior surfaces; interior contaminated with			
dirt, sludge, or other foreign matter	x			
Stage III corrosion on interior surfaces	.....	x		
Stage II corrosion on interior surfaces	.....	x		
Power cable	Insulation cracked or cut; loss of flexibility and resiliency; stage IV			
corrosion on contact surfaces	x			
Stage III corrosion on contact surfaces	.....	x		
Stage II corrosion on contact surfaces	.....	x		
Cable reel	Bent, cracked or broken; frozen.....	x		
Liquid transfer hoses	Stage IV corrosion; damaged threads; bent, cracked, or broken.....	x		
Stage III corrosion	.....	x		
Hose container (tool box)	Bent, broken or dented; stage IV corrosion on hinges or fasteners ..	x		
Stage III corrosion on hinges or fasteners.....		x		
Stage II corrosion on hinges; or fasteners	.....	.	x	
BASIC ISSUE ITEMS (BII):				
Missing.....		x		
Deteriorated or damaged	.....	x		
COMPONENTS AND ACCESSORIES:				
Missing; incomplete.....		x		
Deteriorated or damaged	.....	x		
LIFTING AND/OR TIE DOWN DEVICES:				
Cracked, broken, or distorted.....		x		
WARNING OR CAUTION PLATES:				
Illegible; missing.....		x		
MODIFICATION WORK ORDER (MWO):				
Urgent classification	Not applied.....	x		
Routine classification	Not applied.....	x		
EQUIPMENT LOG BOOK (TM 38-750):				
Missing.....		x		
Incomplete	.....	x		
DATA PLATES:				
Illegible or missing.....		.	x	
DEPRESERVATION GUIDE (DA FORM 22.58):				
Illegible or missing.....		.	x	
GENERATOR:	Refer to SB 740-97-6100			

**APPENDIX III-X
ITEM DEFECTS FOR HEATER, CONCRETE MIXER**

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; , ase moullntind anl or fastening devices broken or missing	x		
Dents	.....	x		
Painted surface	Stage II corrosion: chippeil or liradld.....		x	
Stage II corrosion	.....	x		
Unpainted noncritical surfaces	Stage IV corloson.....		x	
Stage III corrono	.....	x		
Stage II Corrosion	.....	x		
HEATING UNIT:				
Frame and shell assembly and/or outer jacket; bent, broken, dneted, or distorted.....	Stage IV corrosion on interior surfaces of inner	x		
Stage III corrosion on interior surfaces of inner and;or outer jacket	.....	x		
Conical head and damper assembly.	Stage IV corrosion on interior surfaces; bent, cracked, or broken; frozen	x		
Stage III corrosion on interlol surfaces	.....	x		
Lifting handles and lifting attachments	Bent, cracked. broken. or distorted; stage IV corrosion	x		
Stage III corrosion	.....	x		
Piping and fittings	Stage IV conrosion on interior surfaces; leaks, breaks, or l)end.s; damiaaged threads	x		
Stage III c(orrosion on interior surfaces	.....	x		
Burner door and platform assembly	Bent, broken, or dlentted; stage IV corrosion on hinges.....	x		
Stage III corrosion on hinges	.....	x		
Stage II corrosion hlinges	.....	x		
Drain and/or air release valve.	Stage IV conrosion ma interior surfaces; handwheel broken; steim bent or frozen; leaks	x		
Stage III c(orrosion on interior surfaces	.....	x		
Stage II corrosion on interior surfaces	.....	x		
Safety valve	Stage IV cmi'oslon on interior surfaces; leaks	x		
Stage III corrosion on interior surfaces	.....	x		
Stage II corrosion on interior surfaces	.....	x		
Water coils	Bent, cracked. broken., ordistorted; stage IV corrosion.....	x		
Stage III corrosion	.....	x		
Water tank	Stage I V cotnoslon of interior or exterior surfaces	x		
Stage III coTrosion of interior or extenor surfaces; interior contaminated with dirt, sludge, or other foreign matter	.....	x		
Stage II corrosion of interior or exterior surfaces.....	.....		x	
BURNER ASSEMBLY:				
Burner shell	Bent, broken or distorted; stage IV corrosion	x		
Stage III corrosion	.....	x		
Burner needle valve	Stage IV corrosion on intenor surfaces; stem bent or fiozen; leaks; strainer punctured, tom or distorted.....	x		
Stage III corrosion on intenor surfaces; contaminated	.....	x		
Stage II corrosion on interior surfaces	.....	x		
FUEL TANK ASSEMBLY:				
Tank	Stage IV corrosion on interior surfaces; fill cap gasket deteriorated	x		
Stage III corrosion on interior surfaces; interior contamina', ld with dirt, sludge, or other foreign matter	.....	x		

Item	Defect	Classification		
		Major		Minor
		A	B	
Hand pump	Stage II corrosion on interior surfaces	X		
	Stage IV corrosion on interior surfaces: valve			
	seat, gaskets, and/or leather cup deteriorated	x		
	Stage III corrosion on interior surfaces	x		
	Stage II corrosion on interior surfaces	x		
Pressure gage	Glass broken or discolored; dial face deteriorated;			
	inoperative	x		
Tank valve	Stage IV corrosion on interior surfaces; handwheel			
	broken; stem bent or frozen; leaks	x		
	Stage III corrosion on interior surfaces	x		
	Stage II corrosion on interior surfaces	x		
Fuel hose	Checked, cracked, cut, or lack of flexibility and			
	resiliency	x		
Carrying handles	Bent, broken, or distorted	X		
COMPONENTS AND ACCESSORIES:	Missing; incomplete	x		
	Deteriorated or damaged	x		
WARNING OR CAUTION PLATES:	Illegible; missing	x		
MODIFICATION WORK ORDER (MWO):				
	Urgent classification	x		
	Routine classification	x		
DATA PLATES:	Illegible or missing .....	.	X	

**APPENDIX III-Y
ITEM DEFECTS FOR MELTER, ASPHALT**

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and/or fastening devices broken or missing	x		
Dents	.....	x		
Painted surfaces	Stage III corrosion; chipped or abraded	x		
Stage II corrosion	.....	x		
Unpainted noncritical surfaces	Stage IV corrosion	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
MELTING AND STORAGE TANK:				
Inner shell and outer sheath	Bent, cracked, or punctured; broken welds	x		
Heating coil	Stage IV corrosion on interior or exterior surfaces; bent, cracked, or broken welds	x		
Stage III corrosion on interior or exterior surfaces	.....	x		
Temperature gage	Glass broken or discolored; dial face deteriorated;			
broken stem; inoperative	x			
Valves	Stage IV corrosion on interior surfaces; handwheels			
broken; stem bent or broken; valve seating surfaces burred, cracked, or pitted; deteriorated packing and/or gaskets	x			
Stage III corrosion on interior surfaces	.....	x		
Stage II corrosion on interior surfaces	.....	x		
Tie rods (bars)	Stage IV corrosion; bent, cracked, or broken	x		
Stage III corrosion	.....	x		
Tunnel support pads	Bent or broken	x		
Nut, bolt and spacer (transport hardware).	Bent or broken; damaged threads; missing	x		
Metal flashing	Bent, cracked, or broken	x		
Loading platform	Bent, cracked, or broken	x		
Discharge chute	Bent, cracked, or broken	x		
Skid base	Bent, cracked, or broken	x		
Hot asphalt pump	Stage IV corrosion on interior surfaces: broken welds; bent or cracked			
Stage III corrosion on interior surfaces	.....	x		
Accessory box	Bent, broken or distorted; stage IV corrosion on hinges or fasteners			
Stage III corrosion on hinges or fasteners	.....	x		
Stage II corrosion on hinges or fasteners	.....		x	
WARNING OR CAUTION PLATES:	Illegible or missing	x		
DEDRUMMING TUNNEL:				
Doors	Bent, broken, or distorted; stage IV corrosion on hinges or fasteners; deteriorated gaskets	x		
Stage III corrosion on hinges or fasteners	.....	x		
Stage II corrosion on hinges or fasteners	.....		x	
Heating coils	Stage IV corrosion on interior or exterior surfaces; bent, cracked, or broken welds			
Stage III corrosion on interior or exterior surfaces	.....	x		
Inner shell and outer sheath	Bent, cracked or punctured; broken welds	x		
Guide rails	Stage IV corrosion; bent or cracked; broken welds	x		
Stage III corrosion	.....	x		
PIPING AND FITTINGS:	Stage IV corrosion on interior surfaces: breaks, bends, or damaged threads			
Stage III corrosion on interior surfaces	.....	x		
ASPHALT TRANSFER HOSE:	Stage IV corrosion; damaged threads; bent; cracked or broken			
Stage III corrosion	.....	x		
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken, or distorted	x		

Item	Defect	Classification		
		Major		Minor
		A	B	
MODIFICATION WORK ORDER (MWO): Urgent classification Routine classification	Not applied Not applied	 x x	 	
COMPONENTS AND ACCESSORIES: Deteriorated or damaged	Missing, incomplete x	x	 	
DATA PLATES:	Illegible or missing	x	

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**APPENDIX III-Z
ITEM DEFECTS FOR SPREADER, CONCRETE**

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mountings and/or fastening devices broken or missing	x		
Dents	.....	x		
Painted surfaces	Stage 111 corrosion; chipped or abraded	x		
Stage II corrosion	.....	x		
Unpainted noncritical surfaces	Stage IV corrosion	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
TOWING ATTACHMENT AND TRANSPORTATION TRUCKS:				
Structural members	Cracked or broken welds; bent or distorted; stage IV corrosion	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Tires	Checks and cracks extending to the cord; cut or punctured; bulges indicating ply separation; chunking of rubber	x		
Wheel	Distorted; broken; stage IV corrosion	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Support jacks:				
Machined surfaces	Stage III corrosion	x		
Stage II corrosion	.....	x		
Nonmachined surfaces	Stage IV corrosion	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Tow bar	Distorted; broken welds; stage IV corrosion	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
ENGINE ASSEMBLY:				
Valves, rocker arm assembly and combustion chambers	Stage II corrosion	x		
Stage I corrosion	.....	x		
Piston assembly and cylinder walls.	Stage II corrosion	x		
Stage I corrosion	.....	x		
Flywheel and ring gear	Stage IV corrosion; ring gear chipped, cracked, or broken	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Air cleaner	Stage IV corrosion	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Cooling system:				
Radiator	Stage IV corrosion on internal surfaces; leaks	x		
Stage III corrosion on internal surfaces; coolant contaminated	.....	x		
Stage II corrosion on internal surfaces	.....	x		
Shutters and controls	Stage IV corrosion	x		
Frozen; stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Fan	Blades broken; stage IV corrosion	x		
Bent; stage III corrosion	.....	x		
Stage II corrosion	.....	x		
Cooling fins required	Bent or otherwise damaged to the extent repair is required	x		
Seals and gaskets	Deteriorated; leaks or seeps	.	x	
Hoses and belts	Checking or cracking; frayed or cut; loss of flexibility; fungus growth; broken reinforcing	x		
Pulleys	Cracked; broken; stage IV corrosion	x		

Item	Defect	Classification		
		Major		Minor
		A	B	
Stage III corrosion X Stage II corrosion Water pump Stage IV corrosion on internal surfaces; frozen; leaks..... X Stage III corrosion on internal surfaces X Stage II corrosion X Fuel system: Tanks: Internal surfaces Stage III corrosion X Stage II corrosion; coating peeling or flaking X External surfaces Stage IV corrosion..... X Stage III corrosion X Stage II corrosion X Lines, hoses, and connectors Cracked or checked; kinked; broken; fungus growth..... X Filters and sediment bowls Stage IV corrosion on internal surfaces; cracked or broken X Stage III corrosion on internal surfaces; element deteriorated or contaminated X Stage II corrosion on internal surfaces X Carburetor, injectors or nozzles. Stage III corrosion; cracked or broken X Stage II corrosion; contaminated X Seals Deteriorated; leaks or seeps X Exhaust system: Rain cap Stage IV corrosion; cracked, broken, or missing X Stage III corrosion X Stage II corrosion X Brackets and hangers Stage IV corrosion; cracked or broken X Stage III corrosion X Stage II corrosion X Intake and exhaust manifolds, muffler, and pipes. Stage IV corrosion; punctured..... X Stage III corrosion X Stage II corrosion X				
LUBRICATION SYSTEM: Lines, hoses, and fittings Kinked; broken; leaks or seeps; checked or cracked; fungus growth X Filters Stage III corrosion on internal or external surfaces X Stage II corrosion on internal surfaces; element deteriorated or contaminated X Lubricant Contaminated X Seals Deteriorated; leaks or seeps X				
GOVERNORS: Stage III corrosion; linkage frozen X Stage II corrosion X				
CONTROLS AND INSTRUMENTS: dial face illegible X Stage II corrosion; linkage frozen X				
ELECTRICAL SYSTEM: Wiring Broken strands; cracked insulation; fungus growth..... X Frayed; checked; loss of flexibility X Terminals and connections Stage III corrosion; broken terminals X Stage II corrosion X Spark plugs Stage III corrosion on spark point end; ceramic insulator broken X Stage II corrosion on spark point end X Switches, regulators, relays, magnetos and controllers. State II corrosion X Generator assemblies, alternators and starters. Stage III corrosion; frozen..... X Stage II corrosion X				
DRIVE BELTS: loss of flexibility and resiliency; fungus growth X				

Item	Defect	Classification		
		Major		Minor
		A	B	
HYDRAULIC SYSTEM:				
Lines, hoses, and fittings	Kinked; broken; leaks or seeps; checked or cracked; fungus growth; loss of flexibility	x		
Pump and/or fluid reservoir	Body cracked or broken; stage III corrosion.....	x		
Stage II corrosion on internal surfaces		x		
Cylinders and valves	Stage III corrosion	x		
Stage II corrosion on rods and/or internal surfaces of cylinders and valves		x		
Operating fluid	Contaminated		x	
Gaskets and seals	Deteriorated; leaks or seeps	x		
Filters	Stage III corrosion on internal surfaces.....	x		
Stage II corrosion on internal surfaces; elemen contaminated.....		x		
Hose reel	Stage IV corrosion.....	x		
Stage III corrosion		x		
Stage II corrosion		x		
MASTER CLUTCH:				
Bearings, shafts, linkage, and springs	Stage III corrosion; frozen.....	x		
Stage II corrosion		x		
Metal disks and plates	Stage III corrosion	x		
Stage II corrosion		x		
Fiber disks	Deteriorated; punctured or torn.....	x		
Friction contact surfaces	Stage IV corrosion.....	x		
Stage III corrosion		x		
PULLEYS, DRIVE SHEAVES AND IDLERS:				
Stage III corrosion	Cracked, broken, or forzen; stage IV corrosion.....	x		
Stage II corrosion		x		
OPERATOR'S STATION:				
linkage; frozen	Stage IV corrosion on control levers, pedals, and linkage; frozen	x		
Stage III corrosion on control levers, pedals, and linkage		x		
Stage II corrosion on control levers, pedals, and linkage		x		
TRANSMISSION				
deteriorated, leaks	Stage III corrosion on internal surfaces; seals	x		
Stage II corrosion on internal surfaces; contaminated lubricant		x		
GEAR CASES:				
deteriorated; leaks	Stage III corrosion on internal surfaces; seals	x		
Stage II corrosion on internal surfaces; contaminated lubricant		x		
WIRE ROPE:				
Stage III corrosion	Stage IV corrosion; broken strands	x		
Stage II corrosion		x		
SPREADER ASSEMBLY:				
Trolley:				
Drive chains	Stage IV corrosion; pins and/or rollers frozen;			
cracked or broken links		x		
Stage III corlosion		x		
Stage II corrosion		x		
Drive sprockets	Stage IV corrosion; cracked or broken teeth	x		
Stage III corrosion		x		
Drive shafts	Stage IV corrosion on bearings, bushings, or sleeves	x		
Stage III corrosion on bearings, bushings, or sleeves		x		
Stage II corrosion on hearings, bushings, or sleeves .....		.	x	
Frame, wheels, and adjusting screws.	Stage IV corrosion.....	x		
Stage III corrosion		x		
Stage II corrosion		x		
Spreader (blade or screw type)	Stage IV corrosion.....	x		
Stage III corrosion		x		
STRIKE-OFF PLATE ASSEMBLY:				
Stage III corrosion	Stage IV corrosion.....	x		
		x		

Item	Defect	Classification		
		Major		Minor
		A	B	
STEERING CLUTCH AND BRAKE ASSEMBLIES:				
Bearings, shafts, linkage, and springs.	Stage III corrosion; frozen.....	x		
Stage II corrosion	.....	x		
Metal disks, plates, and friction contact surfaces	Stage III corrosion	x		
Stage II corrosion	.....	x		
Fiber disks and bands	Deteriorated; punctured or torn.....	x		
TRACTION DRIVE ASSEMBLY:				
Drive chains	Stage IV corrosion; pins and/or rollers frozen;			
cracked or broken links	x			
Stage III corrosion	.....	x		
Stage II corrosion	.....		
Drive sprockets	Stage IV corrosion; cracked or broken teeth		x	
Stage III corrosion	.....	x		
Drive shafts	Stage IV corrosion on bearings, bushings, or sleeves.....	x		
Stage III corrosion on bearings, bushings, or sleeves .....	.....	x		
Stage II corrosion on bearings, bushings, or sleeves .....	.....	.	x	
Wheels	Stage IV corrosion.....	x		
Stage III corrosion	.....	x		
Scrapers, shields, and guards	Stage IV corrosion.....	x		
Stage III corrosion	.....	x		
Stage II corrosion	.....	x		
VIBRATORS:				
Pan vibrator	Stage I V corrosion on turnbuckles or pans.....	x		
Stage III corrosion on turnbuckles or pans .....	.....	x		
Stage II corrosion on turnbuckles or pans .....	.....	.	x	
Drive shafts	Stage IV corrosion on bearings, bushings, or sleeves	x		
Stage III corrosion on bearings, bushings, or sleeves .....	.....	x		
Stage II corrosion on bearings, bushings, or sleeves .....	.....	.	x	
Finger vibrator	Stage IV corrosion on rack or fingers; rubber hose			
checking; frayed or cut; fungus growth .....	.....	x		
Stage III corrosion on rack or fingers .....	.....	x		
Stage II corrosion on rack or fingers .....	.....	x		
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken, or distorted	x		
WARNING OR CAUTION PLATES:	Illegible; missing	x		
MODIFICATION WORK ORDER (MWO):				
Urgent classification	Not applied.....	x		
Routine classification	Not applied.....	x		
COMPONENTS AND ACCESSORIES:	Missing; incomplete.....	x		
Deteriorated or damaged	.....	x		
BASIC ISSUE ITEMS (BII):	Missing.....	x		
Deteriorated or damaged	.....	x		
DATA PLATES:	Illegible or missing.....	.	x	
DEPRESERVATION GUIDE (DA FORM 2258):	Illegible or missing.....	.	x	

**APPENDIX III-AA
ITEM DEFECTS FOR MIXER, ROTARY TILLER,
SOIL STABILIZATION, SELF-PROPELLED**

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and/or fastening devices x			
broken or missing Dents	..... X			
Painted surfaces	Stage III corrosion; chipped or abraded	x		
Stage II corrosion	..... X			
Unpainted nonclitlcal surfaces.	Stage IV corrosion.....	x		
Stage III	..... X			
Stage II corrosion	.....	x		
CHASSIS:				
Frame and springs	Cracked or bl oken welds; stage IV corrosion	x		
Stage III corrosion	..... X			
Stage II corrosion	.....	x		
Tires	Checks and cracks extending to the cord; cut or punctured; bulges indicating ply separation; chunking of rubber	x		
Wheels	Distorted; broken; stage IV corrosion.....	x		
Stage III corrosion	..... X			
Stage II corrosion	.....	x		
Wheel bearings	Stage IV corrosion; lubricant contaminated	x		
Stage III corrosion	..... X			
Stage II corrosion	.....	x		
OPERATOR'S SEAT ASSEMBLY:				
Cushions	Punctured or torn; mildew or fungus growth; insect infested	x		
Seat adjuster	Stage III corrosion	x		
Stage II corrosion	.....	x		
STEERING SYSTEM:				
Actuating cylinders	Stage IV corrosion; shaft bent or distorted; seals leaking	x		
Stage III corrosion on shafts	..... X			
Stage II corrosion on shafts	.....	x		
Linkage	Stage IV corrosion; bent or distorted	x		
Stage III corrosion; frozen	..... X			
Stage II corrosion	.....	x		
Gear case	Stage IV corrosion on internal surfaces; deteriorated			
seals; leaks	x			
Stage III corrosion on internal surfaces	.....	x		
Stage II corrosion on internal surfaces	.....	x		
Pump and/or fluid reservoirBody cracked or broken; stage III corrosion on internal surfaces; stage IV corrosicp on external surfaces; leaks	x			
Stage II corrosion on internal surfaces; fluid contaminated	..... X			
Lines, hoses, and fittings	Kinked; broken; leaks or seeps; checked or cracked; fungus growth; loss of flexibility.....	x		
VEHICLE AND PUMP ENGINE:				
Valves, rocker arm assembly and combustion chambers	Stage II corrosion	x		
Stage I corrosion	..... X			
Piston assembly and cylinder walls	Stage II corrosion	x		
Stage I corrosion	..... X			
Flywheel and ring gear	Stage IV corrosion; ring gear chipped, cracked, or broken	x		
Stage III corrosion	..... X			
Stage II corrosion	.....	x		

Item	Defect	Classification	
		Major	Minor
		A	B
Air cleaner	Stage IV corrosion.....	x	
Stage III corrosion	.....	x	
Stage II corrosion	.....	x	
Cooling system:			
Radiator	Stage IV corrosion on internal surfaces; leaks.....	x	
Stage III corrosion on internal surfaces; coolant contaminated	.....	x	
Stage II corrosion on internal surfaces	.....	x	
Shutters and controls	Stage IV corrosion.....	x	
Frozen; stage III corrosion	.....	x	
Stage II corrosion	.....	x	
Fan Blades broken; stage IV corrosion	x		
Bent; stage III corrosion	.....	x	
Stage II corrosion	.....	x	
Cooling fins	Bent or otherwise damaged to the extent repair is required.....	x	
Seals and gaskets	Deteriorated; leaks or seeps.....	x	
Hoses and belts	Checking and cracking; frayed or cut; loss of flexibility; fungus growth; broken reinforcing.....	x	
Pulleys	Cracked; broken; stage IV corrosion.....	x	
Stage II corrosion	.....	x	
Stage II corrosion	.....	x	
Water pump	Stage IV corrosion on internal surfaces; frozen; leaks.....	x	
Stage III corrosion on internal surfaces	.....	x	
Stage II corrosion on internal surfaces	.....	x	
Fuel system			
Tanks:			
Internal surfaces	Stage III corrosion.....	x	
Stage II corrosion; coating peeling or flaking	.....	x	
External surfaces	Stage IV corrosion.....	x	
Stage III corrosion	.....	x	
Stage II corrosion	.....	x	
Lines, hoses, and connectors	Cracked and checked; kinked; broken; fungus growth.....	x	
Filters and sediment	Stage IV corrosion on internal surfaces; cracked bowls or broken... ..	x	
Stage III corrosion on internal surfaces; element deteriorated or contaminated	x		
Stage II corrosion on internal surfaces	.....	x	
Carburetor, injectors, or nozzles.	Stage III corrosion; cracked or broken.....	x	
Stage II corrosion; contaminated	x		
Seals	Deteriorated; leaks or seeps.....	x	
Exhaust system:			
Rain cap	Stage IV corrosion; cracked, broken or missing.....	x	
Stage III corrosion	.....	x	
Stage II corrosion	.....	x	
Brackets and hangers	Stage IV corrosion; cracked or broken.....	x	
Stage III corrosion	.....	x	
Stage II corrosion	.....	x	
Intake and exhaust manifolds, muffler and pipes.	Stage IV corrosion; punctured.....	x	
Stage III corrosion	.....	x	
Stage II corrosion	.....	x	
ELECTRICAL SYSTEM:			
Wiring	Broken strands; cracked insulation; fungus growth.....	x	
Frayed; checked; loss of flexibility	.....	x	
Terminals and connections	Stage III corrosion; broken terminals.....	x	
Stage II corrosion	.....	x	
Spark plugs	Stage III corrosion on spark point end; ceramic insulator broken.....	x	
Stage II corrosion on spark point end	.....	x	
Switches, regulators, relays, magnetos, and controllers	Stage III corrosion; broken; frozen.....	x	
Stage II corrosion	.....	x	

Item	Defect	Classification		
		Major		Minor
		A	B	
Generator assemblies, electric motor, and starters Stage II corrosion Lights and reflectors Stage II corrosion	Stage III corrosion; frozen X Stage III corrosion; cracked or broken X	x x x		
LUBRICATION SYSTEMS: Lines, hoses, and fittings Filters Stage II corrosion on internal surfaces; element deteriorated or contaminated Lubricant Seals	Kinked; broken; leaks or seeps; checked or cracked; fungus growth Stage III corrosion on internal or external surfaces X Contaminated X Deteriorated; leaks or seeps X	x x x x		
CONTROLS AND INSTRUMENTS: Stage II corrosion; linkage frozen	Stage III corrosion; cracked or broken: inoperable; dial face illegible X	x		
GOVERNORS: Stage III corrosion; linkage frozen Stage II corrosion	Stage IV corrosion: linkage broken..... X X	x x		
DRIVE BELTS AND HOSES: cut; loss of flexibility and resiliency; fungus growth	Checking; cracking; broken reinforcing; frayed; X	x		
GEARS: Exposed Stage III corrosion Stage II corrosion Enclosed Stage II corrosion; lubricant contaminated	Chipped, cracked or broken; stage IV corrosion..... X X Chipped, cracked or broken; stage III corrosion X X	x x x x		
PULLEYS AND DRIVE SPROCKETS: Stage III corrosion Stage II corrosion	Cracked or broken; stage IV corrosion..... X X	x x		
CLUTCH ASSEMBLIES: Bearings, shafts, linkage, and springs Stage II corrosion Metal disks and plate Stage II corrosion Fiber disks and bands Lubricant	Stage III corrosion; frozen..... X Stage III corrosion X Deteriorated; punctured or torn X Contaminated X	x x x x		
BRAKE ASSEMBLY: Drum and/or shoes Stage III corrosion Stage II corrosion Springs, anchors, cable, yokes and/or linkage. Stage III corrosion; frozen Stage II corrosion Fluid reservoirs, wheel and master cylinders. corrosion on external surfaces; leaks: boots deteriorated; frozen Stage III corrosion on external surfaces; stage II corrosion on internal surfaces Hydrovac and air- reservoir corrosion on external surfaces Stage II corrosion on internal surfaces; stage III corrosion on external surfaces Cylinder actuating rotis Stage III corrosion Stage II corrosion Lines, hoses, and fittings	Stage IV corrosion..... X X Stage IV corrosion; distorted or broken X X Stage III corrosion on internal surfaces: stage IV X Stage III corrosion Internal surfaces; stage IV X X Stage II corrosion on internal surfaces; stage III X Stage IV corrosion..... X X Checked; cracked; kinked; split or cut; leaks; loss of flexibility X	x x x x x x x x x x x		
DRIVE CHAINS: Precision Stage II corrosion, pins and rollers frozen	Stage III corrosion: cracked or broken links X X	x x		

Item	Defect	Classification		
		Major		Minor
		A	B	
Nonprecision	Stage IV corrosion; cracked or broken links.....	x		
Stage III corrosion; pins and/or rollers frozen.....		x		
Stage II corrosion.....		x		
HYDRAULIC SYSTEMS:				
Lines, hoses, and fittings	Kinked; broken; leaks or seeps; checked or cracked; fungus growth; loss of flexibility.....	x		
Pumps and/or fluid reservoirs	Body cracked or broken; stage III corrosion.....	x		
Stage II corrosion on internal surfaces.....		x		
Operating fluid	Contaminated.....	x		
Gaskets and seals	Deteriorated; leaks or seeps.....	x		
Filters	Stage III corrosion on internal surfaces.....	x	x	
Stage II corrosion on internal surfaces; element contaminated.....		x		
POWER TRAIN:				
Transmissions	Stage III corrosion on internal surfaces; seals			
deteriorated: leaks	x			
Stage II corrosion on internal surfaces; contaminated lubricant.....		x		
Differentials	Stage III corrosion on housing, gears, shafts, bearings or pinion; deteriorated seals; leaks.....	x		
Stage II corrosion on gears, shafts, bearings, or pinion; lubricant contaminated.....		x		
Gear reducer	Stage III corrosion on internal surfaces; deteriorated seals; leaks	x		
Stage II corrosion on internal surfaces; lubricant contaminated.....		x		
ROTOR ASSEMBLY				
Hood	Cracked, bent, or distorted; broken welds.....	x		
Lift bars, lift caps, and skis	Stage IV corrosion; cracked, bent, or broken.....	x		
Stage III corrosion.....		x		
Tine plates, tines and rotor shaft	Stage IV corrosion; time plates and/or tines bent, broken, or distorted	x		
Stage III corrosion.....		x		
Spraybar:				
Piping	Stage IV corrosion on interior surfaces; breaks, bends or damaged threads; nozzles missing or damaged.....	x		
Stage III corrosion on interior surfaces.....		x		
Valves	Stage IV corrosion; broken or frozen.....	x		
Stage III corrosion.....		x		
Stage II corrosion.....		x		
PUMP AND METERING EQUIPMENT:				
Valves	Stage IV corrosion on internal surfaces; handwheel			
broken; stem bent or frozen	x			
Stage III corrosion on internal surfaces.....		x		
Stage II corrosion on internal surfaces.....		x		
Pump	Stage IV corrosion on shaft or bearings; impeller			
frozen; deteriorated packing, gaskets, or seals.....		x		
Stage III corrosion on shaft or bearings.....		x		
Stage II corrosion on shaft or bearings.....		x		
Flowmeter	Stage IV corrosion on interior surfaces; deteriorated			
packing, gaskets or seals; dial face				
deteriorated or glass broken	x			
Stage III corrosion on interior surfaces.....		x		
Stage II corrosion.....		x		
Hose	Stage IV corrosion; damaged threads; checking or			
cracking; frayed or cut; loss of flexibility; fungus growth; broken reinforcing	x			
Stage III corrosion.....		x		
BASIC ISSUE ITEMS (BI):				
Deteriorated or damaged	Missing.....	x		
		x		
COMPONENTS AND ACCESSORIES:				
Deteriorated or damaged	Missing; incomplete.....	x		
		x		

Item	Defect	Classification		
		Major		Minor
		A	B	
LIFTING AND OR TIE DOWN DEVICES:	Cracked, broke or distorted	x		
WARNING OR CAUTION PLATES:	Illegible; missing	x		
MODIFICATION WORK ORDER (MWO):				
Urgent classification	Not applied	x		
Routine classification	Not applied	x		
EQUIPMENT LOG BOOK (T-M 38-750):				
Incomplete	Missing	x		
	..... x			
DATA PLATES:	Illegible or missing.....	.	x	
DEPRESERVATION GUIDE (DA FORM 22.58):	Illegible or missing.....	.	x	

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**APPENDIX III-BB
ITEM DEFECTS FOR I)RIER AGGREGATE**

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and, or fastening devices			
broken or missing Dents	x			
Painted surfaces	Stage III corrosion; chipped or abraded	x		
Stage II corrosion	.....		
Unpainted noncritical surfaces	Stage IV corrosion.....	x		
Stage III corrosion	.....		
Stage II corrosion	.....	x		
CHASSIS:-				
Frame	Cracked or broken welds; stage IV corrosion	x		
Stage III corrosion	.....		
Stage II corrosion	.....	x		
Tires	Checks and cracks extending to the cord; cut or punctured; bulges indicating ply separation; chunking of rubber	x		
Wheels	Distorted, broken: stage IV corrosion.....	x		
Stage III corrosion	.....		
Stage II corrosion	.....	x		
Landing jacks and jacklegs:				
Machined surfaces	Stage III corrosion	x		
Stage II corrosion	.....		
Nonmachined surfaces	Stage IV corrosion.....	x		
Stage III corrosion	.....		
Stage II corrosion	.....	x		
Fifth wheel	Stage III corrosion	x		
Stage II corrosion.	.....		
Wheel bearings	Stage III corrosion, lubricant contaminated	x		
Stage II corrosion	.....		
ENGINE ASSEMBLY:				
Valves, rocker arm assembly and combustion chambers.	Stage II corrosion.....	x		
Stage I corrosion	.....		
Piston assembly and cylinder walls.	Stage II corrosion	x		
Stage I corrosion	.....		
Flywheel and ring gear	Stage IV corrosion: ring gear chipped, cracked, or broken	x		
Stage III corrosion	.....		
Stage II corrosion	.....	x		
Air cleaner	Stage IV corrosion.....	x		
Stage III corrosion	.....		
Stage II corrosion	.....	x		
Cooling system:				
Radiator	Stage IV corrosion on internal surfaces; leaks.....	x		
Stage III corrosion on internal surfaces; coolant contaminated .....	.....		
Stage II corrosion on internal surfaces .....	.....	x		
Shutters and controls	Stage IV corrosion.....	x		
Frozen; stage III corrosion	.....		
Stage II corrosion	.....	x		
Fan	Blades broken; stage IV corrosion x			
Bent; stage III corrosion	.....		
Stage II corrosion	.....	x		
Cooling fans	Bent or other, lise damaged to the extent repair is require	x		
Seals and gaskets	Deteriorated; leaks or seeps	x		
Hoses and belts	Checking or cracking; frayed or cut; loss of flexibility; fungus growth; broken reinforcing.....	x		
Pulleys	Cracked: broken; stage IV corrosion	x		
Stage III corrosion	.....		
Stage II corrosion	.....	x		

Item	Defect	Classification		
		Major		Minor
		A	B	
Water pump	Stage IV corrosion on internal surfaces; frozen; leaks.....	x		
Stage III corrosion on internal surfaces		x		
Stage II corrosion on internal surfaces		x		
Fuel system:				
Tanks:				
Internal surfaces	Stage III corrosion	x		
Stage II corrosion; coating peeling or flaking		x		
External surfaces	Stage IV corrosion.....	x		
Stage III corrosion		x		
Stage II corrosion		x		
Lines, hoses, and connectors	Cracked or checked; kinked; broken; fungus growth.....	x		
Filters and sediment bowls	Stage IV corrosion on internal surfaces; cracked or broken	x		
Stage III corrosion on internal surfaces; element deteriorated or contaminated		x		
Stage II corrosion on internal surfaces		x		
Carburetor, injectors, or nozzles	Stage III corrosion; cracked or broken	x		
Stage II corrosion; contaminated		x		
Seals	Deteriorated; leaks or seeps	x		
Exhaust system:				
Rain cap	Stage IV corrosion; cracked, broken, or missing	x		
Stage III corrosion		x		
Stage II corrosion		x		
Brackets and hangers	Stage IV corrosion; cracked or broken	x		
Stage III corrosion		x		
Stage II corrosion		x		
Intake and exhaust manifolds, muffler, and pipes.	Stage IV corrosion; punctured.....	x		
Stage III corrosion		x		
Stage II corrosion		x		
LUBRICATION SYSTEM:				
Lines, hoses, and fittings	Kinked; broken; leaks or seeps, checked or cracked; fungus growth	x		
Filters	Stage III corrosion on internal or external surfaces	x		
Stage II corrosion on internal surfaces; element deteriorated or contaminated		x		
Lubricant	Contaminated	x		
Seals	Deteriorated; leaks or seeps	x		
CONTROLS AND INSTRUMENTS:				
dial face illegible	Stage III corrosion; cracked or broken; inoperable; x			
Stage II corrosion; linkage frozen		x		
GOVERNORS:				
Stage IV corrosion; linkage broken.....		x		
Stage III corrosion; linkage frozen		x		
Stage II corrosion		x		
ELECTRICAL SYSTEM:				
Wiring	Broken strands; cracked insulation; fungus growth.....	x		
Frayed; checked, loss of flexibility		x		
Terminals and connections	Stage III corrosion; broken terminals.....	x		
Stage II corrosion		x		
Spark plugs	Stage III corrosion on spark point end; ceramic insulator broken	x		
Stage II corrosion on spark point end		x		
Switches, regulators, relays, magnetos, and controllers	Stage III corrosion; broken; frozen	x		
Stage II corrosion		x		
Generator assemblies, electric motors, and starters	Stage III corrosion; frozen.....	x		
Stage II corrosion		x		

Item	Defect	Classification		
		Major		Minor
		A	B	
Lights and reflectors	Stage III corrosion; cracked or broken Stage II corrosion.....		x	x
CLUTCH ASSEMBLIES: Bearings, shafts, linkage, and springs.	Stage III corrosion; frozen.....x Stage II corrosion.....		x	
Metal disks and plates	Stage III corrosion.....x Stage II corrosion.....		x	
Fiber disks and bands	Deteriorated; punctured or torn .....x		x	
Lubricant	Contaminated.....		x	
BRAKE ASSEMBLY: Drum and/or shoes	Stage IV corrosion .....x Stage III corrosion..... Stage II corrosion.....		x	x
Springs, anchors, cable, yokes, and/or linkage	Stage IV corrosion; distorted or broken.....x Stage III corrosion; frozen..... Stage II corrosion.....		x	x
Fluid reservoirs, wheel and master cylinders	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces; leaks; boots deteriorated; frozen.....x Stage III corrosion on external surfaces; stage II corrosion on internal surfaces.....		x	
Air reservoir	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces.....x Stage II corrosion on internal surfaces; stage III corrosion on external surfaces.....		x	
Cylinder actuating rods	Stage IV corrosion .....x Stage III corrosion x Stage II corrosion x		x	
Lines, hoses, and fittings	Checked; cracked; kinked; split or cut; leaks; loss of flexibility x			
DRUM: Interior surfaces	Stage IV corrosion x Stage III corrosion .....x			
Flights	Bent, cracked, broken or deformed .....x			
Trunion tires	Stage IV corrosion; cracked, broken, or deformed .....x Stage III corrosion.....		x	
Drum drive sprockets	Stage IV corrosion; bent, cracked, or deformed; broken teeth.....x Stage III corrosion.....		x	
Trunion and thrust rollers	Stage IV corrosion on bearings, shafts, rollers, and/or adjusting bolts; cracked or broken .....x Stage III corrosion on bearings, shafts, rollers, and/or adjusting bolts.....		x	
DRIER DRUM FEEDER: Hopper	Stage IV corrosion on interior surfaces; bent, cracked, or broken.....x Stage III corrosion on interior surfaces.....		x	
Feeder gates	Stage IV corrosion; bent, cracked, or broken.....x Stage III corrosion.....		x	
Grizzly bar screen	Stage IV corrosion; bent, cracked, or broken.....x Stage III corrosion.....		x	
Rotary charging chute	Stage IV corrosion on interior surfaces; drive sprocket cracked or broken .....x Stage III corrosion on interior surfaces.....		x	
DISCHARGE CHUTE:	Stage IV corrosion on interior surfaces, bent, cracked, or broken .....x Stage III corrosion on interior surfaces.....		x	
BURNER AND FUEL SYSTEM: Burner cone and combustion chamber.	Refractory material cracked, broken, burned, or disintegrated .....x			
Burner assembly	Stage IV corrosion on internal surfaces; fuel oil residue or other foreign matter in nozzle openings.....x			

Item	Defect	Classification		
		Major		Minor
		A	B	
Micro valve	Stage III corrosion on internal surfaces.....		X	
	Stage II corrosion on internal surfaces.....			X
Fuel oil pump	Stage IV corrosion on internal surfaces; stem bent or broken; dial face deteriorated.....	X		
	Stage III corrosion on internal surfaces.....		X	
	Stage II corrosion on internal surfaces.....			X
Fuel oil filters	Stage IV corrosion on internal surfaces; cracks or breaks; deteriorated seals, gaskets, or packing.....	X		
	Stage III corrosion on internal surfaces.....		X	
	Stage II corrosion on internal surfaces.....			X
Fuel lines and piping Valves	Stage IV corrosion on interior surfaces; filters contaminated; deteriorated gaskets.....	X		
	Stage III corrosion on interior surfaces.....		X	
	Stage II corrosion on interior surfaces.....			X
Fuel meter	Kinked, cracked or broken; damaged threads.....	X		
	Stage IV corrosion on internal surfaces; handwheels broken; stems bent or frozen.....	X		
	Stage III corrosion on internal surfaces.....		X	
Burner steam lines and valves.	Stage II corrosion on internal surfaces.....			X
	Stage IV corrosion on interior surfaces; handwheels broken; stem bent or frozen.....	X		
	Stage III corrosion on interior surfaces.....		X	
EXHAUST STACK	Stage II corrosion on interior surfaces.....			X
	Stage IV corrosion on interior surfaces of exhaust stack, steam piping and/or jets; bent, cracked, or broken.....	X		
	Stage III corrosion on interior surfaces of exhaust stack, steam piping, and/or jets.....		X	
GEARS: Exposed	Stage II corrosion on interior surfaces of exhaust stack, steam piping, and/or jets.....			X
	Chipped, cracked, or broken; stage IV corrosion.....	X		
	Stage III corrosion.....		X	
Enclosed	Stage II corrosion.....			X
	Stage III corrosion on shafts, gears or bearings; deteriorated seals; leaks.....	X		
	Stage II corrosion on shafts, gears or bearings; lubricant contaminated.....		X	
SPROCKETS, IDLERS AND OR IDLER ROLLERS:	Stage III corrosion.....		X	
	Distorted, cracked or broken; takeup and adjustment frozen; stage, IV corrosion.....	X		
	Stage II corrosion.....			X
DRIVE CHAINS: Precision	Stage III corrosion; cracked or broken links.....	X		
	Stage II corrosion; pins and/or rollers frozen.....		X	
	Stage IV corrosion; cracked or broken links.....	X		
Nonprecision	Stage III corrosion; pins and/or rollers frozen.....		X	
	Stage II corrosion.....			X
SHAFTS, BUSHINGS BEARINGS AND/OR BEARING HOUSINGS:	Stage III corrosion.....		X	
	Stage IV corrosion on critical surfaces of shafts, bushings, springs, bearings, and/or bearing housings.....	X		
	Stage III corrosion on critical surfaces of shafts, bushings, springs, bearings, and/or bearing housings.....		X	
COLD-AGGREGATE ELEVATOR: Buckets and bucket line chain	Stage II corrosion on critical surfaces of shafts, bushings, springs, bearings, and/or bearing housings.....			X
	.....	X		
	Stage IV corrosion; distorted, cracked, or broken.....			

Item	Defect	Classification		
		Major		Minor
		A	B	
Housing and discharge spout	Stage III corrosion.....		x	
	Stage IV corrosion on interior surfaces; bent, cracked, or broken.....	x		
	Stage III corrosion on interior surfaces.....		x	
LOADING HOPPER:	Stage IV corrosion; bent, cracked, or broken welds.....	x		
	Stage III corrosion.....		x	
RECIPROCATING FEEDER:				
Hopper	Bent, cracked or broken; stage IV corrosion.....	x		
	Stage III corrosion.....		x	
Gages and thermometers	Glass broken or discolored; dial faces deteriorated inoperative.....	x		
BASIC ISSUE ITEMS (BII):	Missing.....	x		
	Deteriorated or damaged.....		x	
COMPONENTS AND ACCESSORIES:	Missing; incomplete.....	x		
	Deteriorated or damaged.....		x	
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken, or distorted.....		x	
WARNING OR CAUTION PLATES:	Illegible; missing.....	x		
MODIFICATION WORK ORDER (MWO):				
Urgent classification	Not applied.....	x		
Routine classification	Not applied.....		x	
EQUIPMENT LOG BOOK (TM 38-750):	Missing.....	x		
	Incomplete.....		x	
DATA PLATES:	Illegible or missing.....			x
DEPRESERVATION GUIDE (DA FORM 2258):	Illegible or missing.....			x

**APPENDIX III-CC
ITEM DEFECTS FOR DUST COLLECTING MACHINE,
PAVING MATERIALS**

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and/or fastening devices broken or missing	X		
Painted surfaces	Dents		X	
Unpainted noncritical surfaces.	Stage III corrosion; chipped or abraded	X		
	Stage II corrosion.....		X	
	Stage IV corrosion	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
CHASSIS:				
Frame	Cracked or broken welds; stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Tires	Checks and cracks extending to the cord; cut or punctured; bulges indicating ply separation; chunking of rubber.....	X		
Wheels	Distorted; broken; stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Jack legs	Stage IV corrosion; bent or broken.....	X		
	Stage III corrosion.....		X	
Wheel bearings	Stage IV corrosion; lubricant contaminated.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Kingpin and plate	Stage IV corrosion	X		
	Stage III corrosion.....		X	
ENGINE ASSEMBLY:				
Valves, rocker arm assembly, and combustion chambers.	Stage II corrosion.....	X		
	Stage I corrosion.....		X	
Piston assembly and cylinder walls.	Stage II corrosion.....	X		
	Stage I corrosion.....		X	
Flywheel and ring gear	Stage IV corrosion; ring gear chipped, cracked, or broken.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Air cleaner	Stage IV corrosion	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Cooling system:				
Radiator	Stage IV corrosion on internal surfaces; leaks	X		
	Stage III corrosion on internal surfaces; coolant contaminated		X	
	Stage II corrosion on internal surfaces.....			X
Shutters and controls	Stage IV corrosion	X		
	Frozen; stage III corrosion		X	
	Stage II corrosion.....			X
Fan	Blades broken; stage IV corrosion	X		
	Bent; stage III corrosion		X	
	Stage II corrosion.....			X
Seal and gaskets	Deteriorated; leaks or seeps	X		
Hoses and belts	Checking or cracking, frayed or cut; loss of flexibility; fungus growth; broken reinforcing		X	
Pulleys	Cracked; broken; stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Water pump	Stage IV corrosion on internal surfaces; frozen; leaks	X		

Item	Defect	Classification			
		Major		Minor	
		A	B		
Fuel system: Tanks: Internal surfaces External surfaces Lines, hoses, and connectors Filters and sediment bowls Carburetor, injectors or nozzles. Seals Exhaust system: Rain cap Brackets and hangers Intake and exhaust manifolds, muffler and pipes.	Stage III corrosion on internal surfaces.....		X		
	Stage II corrosion on internal surfaces.....			X	
	Stage III corrosion.....	X			
	Stage II corrosion; coating peeling or flaking.....		X		
	Stage IV corrosion.....	X			
	Stage III corrosion.....		X		
	Stage II corrosion.....			X	
	Cracked or checked; kinked; broken; fungus growth.....	X			
	Stage IV corrosion on internal surfaces; cracked or broken.....	X			
	Stage III corrosion on internal surfaces; element deteriorated or contaminated.....		X		
	Stage II corrosion on internal surfaces.....			X	
	Stage III corrosion; cracked or broken.....	X			
	Stage II corrosion; contaminated.....		X		
	Deteriorated; leaks or seeps.....	X			
	Stage IV corrosion; cracked, broken, or missing.....	X			
	Stage III corrosion.....		X		
	Stage II corrosion.....			X	
	Stage IV corrosion; cracked or broken.....	X			
	Stage III corrosion.....		X		
	Stage II corrosion.....			X	
Stage IV corrosion; punctured.....	X				
Stage III corrosion.....		X			
Stage II corrosion.....			X		
ELECTRICAL SYSTEM:	Wiring	Broken strands; cracked insulation; fungus growth.....	X		
		Frayed; checked; loss of flexibility.....		X	
	Terminals and connections	Stage III corrosion; broken terminals.....	X		
		Stage II corrosion.....		X	
	Spark plugs	Stage III corrosion on spark point end; ceramic insulator broken.....		X	
		Stage II corrosion on spark point end.....			X
	Switches, regulators, relays, magnetos and controllers.	Stage III corrosion; broken; frozen.....	X		
		Stage II corrosion.....		X	
	Generator assemblies, electric motors, and starters.	Stage III corrosion; frozen.....	X		
		Stage II corrosion.....		X	
Lights and reflectors	Stage III corrosion; cracked or broken.....		X		
	Stage II corrosion.....			X	
LUBRICATION SYSTEM:	Lines, hoses, and fittings	Kinked; broken; leaks or seeps, checked or cracked; fungus growth.....	X		
		Stage III corrosion on internal or external surfaces.....	X		
	Filters	Stage II corrosion on internal surfaces; element deteriorated or contaminated.....		X	
		Contaminated.....		X	
Seals	Deteriorated; leaks and seeps.....	X			
CONTROLS AND INSTRUMENTS:		Stage III corrosion; cracked or broken; inoperable; dial face illegible.....			
		Stage II corrosion; linkage frozen.....		X	
GOVERNORS:		Stage IV corrosion; linkage broken.....	X		
		Stage III corrosion; linkage frozen.....		X	
		Stage II corrosion.....			X

Item	Defect	Classification		
		Major		Minor
		A	B	
CLUTCH ASSEMBLY: Bearings, shafts, linkage, and springs.	Stage III corrosion; frozen.....X			
	Stage II corrosion.....		X	
Metal disks and plates	Stage III corrosion.....X			
	Stage II corrosion.....		X	
Fiber disks and bands	Deteriorated; punctured or torn.....X			
Lubricant	Contaminated.....		X	
BRAKE ASSEMBLY: Drum and/or shoes	Stage IV corrosion.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Springs, anchors, cable, yokes, and/or linkage.	Stage IV corrosion; distorted or broken.....X			
	Stage III corrosion; frozen.....		X	
	Stage II corrosion.....			X
Air reservoir	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces.....X			
	Stage II corrosion on internal surfaces; stage III corrosion on external surfaces.....		X	
Cylinder actuating rods	Stage IV corrosion.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Lines, hoses, and fittings	Checked; cracked, kinked; split or cut; leaks; loss of flexibility.....X			
DRIVE BELTS:	Checking, cracking; broken reinforcing; frayed; cut; loss of flexibility and resiliency; fungus growth.....		X	
DRIVE PULLEYS, SPROCKET, AND IDLERS:	Distorted, cracked or broken; takeup adjustment frozen; stage IV corrosion.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
DRIVE SHAFTS, BUSHINGS, UNIVERSAL JOINTS, BEARINGS, AND BEARING HOUSINGS:	Stage IV corrosion on critical surfaces of drive shafts, bushings, universal joints, bearings, and/or bearing housings.....X			
	Stage III corrosion on critical surfaces of drive shafts, bushings, universal joints, bearings, and/or bearing housings.....		X	
	Stage II corrosion on critical surfaces of drive shafts, bushings, universal joints, bearings, and/or bearing housings.....			X
CYCLONE INLET DUCT: Ducts transition and elbows	Stage IV corrosion on interior surfaces.....X			
	Stage III corrosion on interior surfaces.....		X	
Assembly hardware	Stage IV corrosion on drawbands, bolts, nuts, or washers.....X			
	Stage III corrosion on drawbands, bolts, nuts, or washers.....		X	
DUST CYCLONES: Inlet and discharge housing	Stage IV corrosion on interior surfaces.....X			
	Stage III corrosion on interior surfaces.....		X	
Cyclones	Stage IV corrosion on interior surfaces.....X			
	Stage III corrosion on interior surfaces.....		X	
Gravity gate valves	Stage IV corrosion on interior surfaces; gates frozen.....X			
	Stage III corrosion on interior surfaces.....			
CYCLONE DISCHARGE DUCT TRANSITION, DAMPER, AND ELBOW:	Stage IV corrosion on interior surfaces; damper frozen.....X			
	Stage III corrosion on interior surfaces.....		X	
SCREW CONVEYOR ASSEMBLY: Gearbox	Stage III corrosion on internal surfaces; deteriorated seals; leaks; chipped, cracked, or broken gears.....X			

Item	Defect	Classification		
		Major		Minor
		A	B	
Drive chain	Stage II corrosion on internal surfaces; contaminated lubricant.....		X	
Worm screw and housing	Stage III corrosion; cracked or broken links .....X Stage II corrosion; pins and/or rollers frozen..... Stage IV corrosion .....X Stage III corrosion.....		X X X	
EXHAUST FAN ASSEMBLY: Bearing cooling fan	Stage IV corrosion .....X Stage III corrosion.....		X	
Exhaust fan housing	Stage IV corrosion on interior surfaces.....X Stage III corrosion on interior surfaces		X	
Fan wheel Stage IV corrosion	x Stage III corrosion.....		X	
EXHAUST STACK, TRANSITION, AND ASSEMBLY HARDWARE:	Stage IV corrosion on bolts, nuts, washers, and interior surfaces of stack or transition .....X Stage III corrosion on bolts, nuts, washers, and interior surfaces of stack or transition.....		X	
LOW PRESSURE AIR BLOWER: Blower fan housing	Stage IV corrosion on interior surfaces .....X Stage III corrosion on interior surfaces		X	
Fan wheel Stage IV corrosion	x Stage III corrosion.....		X	
Air piping	Stage IV corrosion on drawbands, bolts, nuts, washers, and interior surfaces of piping; deteriorated or distorted gaskets or rubber connectors .....X Stage III corrosion on drawbands, bolts, nuts, washers, and interior surfaces of piping		X	
BASIC ISSUE ITEMS (BII):	Missing .....X Deteriorated or damaged.....		X	
COMPONENTS AND ACCESSORIES:	Missing; incomplete .....X Deteriorated or damaged.....		X	
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken, or distorted.....		X	
WARNING OR CAUTION PLATES:	Illegible; missing .....X			
MODIFICATION WORK ORDERR (MWO):	Urgent classification .....X Routine classification.....		X	
EQUIPMENT LOG BOOK (TM 38-750):	Missing .....X Incomplete.....		X	
DATA PLATES:	Illegible or missing			X
DEPRESERVATION GUIDE (DA FORM 2258):	Illegible or missing			X

**APPENDIX III-DD
ITEM DEFECTS FOR FEEDER, AGGREGATE**

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and/or fastening devices broken or missing.....X			
Painted surfaces	Dents..... Stage III corrosion; chipped or abraded.....X	X		
Unpainted noncritical surfaces.	Stage II corrosion..... Stage IV corrosion.....X Stage III corrosion..... Stage II corrosion.....	X		X X
CHASSIS:				
Frame members	Cracked or broken welds; stage IV corrosion.....X Stage III corrosion..... Stage II corrosion.....		X	X
Tires	Checks and cracks extending to the cord; cut or punctured; bulges indicating ply separation; chunking of rubber.....X			
Wheels	Distorted; broken; stage IV corrosion.....X Stage III corrosion..... Stage II corrosion.....		X	X'
Adjustable jack legs	Stage IV corrosion; bent or broken; adjusting bolt frozen.....X Stage III corrosion.....		X	
Wheel bearings	Stage IV corrosion; lubricant contaminated.....X Stage III corrosion..... Stage II corrosion.....		X	X
Kingpin and plate	Stage IV corrosion.....X Stage III corrosion.....			X X
BRAKE ASSEMBLY:				
Drum and/or shoes	Stage IV corrosion.....X Stage III corrosion..... Stage II corrosion.....		X	X
Springs, anchors, cable, yokes, and/or linkage.	Stage IV corrosion; distorted or broken.....X Stage III corrosion; frozen..... Stage II corrosion.....		X	X
Air reservoir	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces.....X Stage II corrosion on internal surfaces; stage III corrosion on external surfaces.....		X	
Cylinder actuating rods	Stage IV corrosion.....X Stage III corrosion..... Stage II corrosion.....		X	X
Lines, hoses, and fittings	Checked; cracked; kinked; split or cut; leaks; loss of flexibility.....X			
ELECTRICAL SYSTEM:				
Wiring	Broken strands; cracked insulation; fungus growth.....X Frayed; checked; loss of flexibility.....		X	
Terminals and connections	Stage III corrosion; broken terminals.....X Stage II corrosion.....		X	
Switches, regulators, relays, and controllers	Stage III corrosion; broken; frozen.....X Stage II corrosion.....		X	
Lights and reflectors	Stage III corrosion; cracked or broken..... Stage II corrosion.....		X	X
BIN ASSEMBLY:				
Separator plates	Stage IV corrosion.....X Stage III corrosion.....		X	
Bins	Stage IV corrosion on interior and exterior surfaces.....X Stage III corrosion on interior and exterior surfaces.....		X	

Item	Defect	Classification		
		Major		Minor
		A	B	
BELT FEEDER ASSEMBLY:				
Side, end, and divider plates	Stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
Rubber flashing	Checking; cracking; loss of flexibility and resiliency.....X			
Flashing bars	Stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	
Feeder gates	Stage IV corrosion; wing nuts missing or frozen.....X Stage III corrosion..... Stage II corrosion.....		X	X
RECIPROCATING FEEDER ASSEMBLY:				
Side, end, and divider plates	Szuge IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
Bearing carrier and wearing bar.	Stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
Feeder pan	Stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
Rollers and shafts	Stage IV corrosion; shafts frozen.....X Stage III corrosion..... Stage II corrosion.....		X	X
Bearings	Stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
Pillow blocks	Stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
Feeder gates	Stage IV corrosion; wing nuts missing or frozen.....X Stage III corrosion..... Stage II corrosion.....		X	X
SHAKER ARM:	Stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
CLUTCH AND CRANKSHAFT ASSEMBLY:				
Jaw clutch	Stage IV corrosion; frozen on shaft.....X Stage III corrosion..... Stage II corrosion.....		X	X
Bearings	Stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
Pillow blocks	Stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
Crankshaft	Stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
Sprocket	Stage IV corrosion; chipped or broken teeth .....X Stage III corrosion..... Stage II corrosion.....		X	X
Clutch lever	Stage IV corrosion; upper and lower lever bent.....X Stage III corrosion..... Stage II corrosion.....		X	X
DRIVE SYSTEM:				
Chains	Stage III corrosion; cracked or broken links.....X Stage II corrosion; pins and/or rollers frozen.....		X	
Sprockets	Stage IV corrosion; chipped or broken teeth .....X Stage III corrosion..... Stage II corrosion.....		X	X
Head shaft and pulley	Stage IV corrosion on ends of pulley and/or shaft; rubber lagging, checking or cracking; loss of flexibility and resiliency.....X Stage III corrosion on ends of pulley and/or shaft.....		X	

Item	Defect	Classification		
		Major		Minor
		A	B	
Drive idler Foot shaft, pulley, and adjusting rod. Bearings Pillow blocks	Stage II corrosion on ends of pulley and/or shaft			X
	Stage IV corrosion; chipped or broken teeth	X		
	Stage III corrosion		X	
	Stage II corrosion			X
	Stage IV corrosion on exterior surfaces of pulley, threaded surfaces of adjusting rod or pulley shaft	X		
	Stage III corrosion on exterior surfaces of pulley, threaded surfaces of adjusting rod or pulley shaft		X	
	Stage II corrosion on exterior surfaces of pulley, threaded surfaces of adjusting rod or pulley shaft			X
	Stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
	Stage IV corrosion	X		
	Stage III corrosion		X	
Stage II corrosion			X	
BELT:	Checking; cracking; broken reinforcing; frayed; cut; loss of flexibility and resiliency; fungus growth	X		
BELT SCRAPER:	Stage IV corrosion on brackets and bars; rubber scraper checking or cracking; loss of flexibility and resiliency	X		
	Stage III corrosion on brackets and bars		X	
	Stage II corrosion on brackets and bars			X
CARRIER ROLLERS:	Stage IV corrosion	X		
	Stage III corrosion		X	
GUARDS, DUST PANS, BELT PLATES AND CHUTE:	Stage IV corrosion	X		
	Stage III corrosion		X	
LUBRICATION FITTINGS:	Dry; missing or broken; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
BASIC ISSUE ITEMS (BII):	Missing	X		
	Deteriorated or damaged		X	
COMPONENTS AND ACCESSORIES:	Missing, incomplete	X		
	Deteriorated or damaged		X	
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken, or distorted		X	
WARNING OR CAUTION PLATES:	Illegible; missing	X		
MODIFICATION WORK ORDER (MWO):				
Urgent classification	Not applied	X		
Routine classification	Not applied		X	
DATA PLATES:	Illegible or missing			X

**APPENDIX III-EE
ITEM DEFECTS FOR ROOPER, ROAD,
CABLE - CONTROLLED**

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES: General	Fractures; base mounting and/or fastening devices broken or missing .....X			
Painted surfaces	Dents .....X Stage III corrosion; chipped or abraded .....X Stage II corrosion.....		X	
Unpainted noncritical surfaces.	Stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
FRAME ASSEMBLY: Main body and throw arm Wheels	Cracked, broken, or deformed .....X Distorted; broken; hub caps missing; stage IV corrosion.....X Stage III corrosion..... Stage II corrosion.....		X	X
Wheels seals and gaskets Wheel bearings, wheel adjusting nuts, and machined surfaces of axle.	Deteriorated seals or gaskets; leaks .....X Stage IV corrosion; lubricant contaminated.....X Stage III corrosion..... Stage II corrosion.....		X	X
Universal connector forging	Stage IV corrosion on machined surfaces of forging and adjusting nut; frozen, cracked or broken, or deformed .....X Stage III corrosion on machined surfaces of forging and adjusting nut Stage II corrosion on machined surfaces of forging and adjusting nut		X	X
Shanks	Stage IV corrosion; cracked, broken, or deformed.....X Stage III corrosion..... Stage II corrosion.....		X	X
Shoes	Stage IV corrosion; cracked, broken, or deformed.....X Stage III corrosion.....		X	X
WIRE ROPE:	Stage IV corrosion; broken strands.....X Stage III corrosion..... Stage II corrosion.....		X	X
SHEAVES:	Stage IV corrosion on sheaves and/or bearings; frozen; dust seals damaged or deteriorated .....X Stage III corrosion on sheaves and/or bearings Stage II corrosion on sheaves and/or bearings		X	X
LUBRICATION FITTINGS:	Dry; missing or broken; stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
BASIC ISSUE ITEMS (BII):	Missing .....X Deteriorated or damaged.....		X	
COMPONENTS AND ACCESSORIES:	Missing; incomplete .....X Deteriorated or damaged.....		X	
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken, or distorted.....		X	
MODIFICATION WORK ORDER (MWO): Urgent classification Routine classification	Not applied.....X Not applied.....		X	
DATA PLATES:	Illegible or missing			X

**APPENDIX III-FF
ITEM DEFECTS FOR FEEDER, FINES,
BITUMINOUS MIX**

Item	Defect	Classification		
		Major		Minor
		A	B	
FRAME MEMBERS:	Stage IV corrosion .....X Stage III corrosion.....		X	
BIN ASSEMBLY:	Stage IV corrosion .....X Stage III corrosion.....		X	
SCREW CONVEYOR ASSEMBLY:				
Housing	Stage III corrosion on interior surfaces; stage IV corrosion on exterior surfaces.....X Stage II corrosion on interior surfaces; stage III corrosion on exterior surfaces.....		X	
Paddle and screw conveyor	Stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
Screw shaft	Stage IV corrosion; shaft frozen.....X Stage III corrosion..... Stage II corrosion.....		X	X
Flange bearings	Stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
Sprockets	Stage IV corrosion; chipped or broken teeth .....X Stage III corrosion..... Stage II corrosion.....		X	X
CLUTCH ASSEMBLY:				
Clutch	Stage IV corrosion; frozen on shafts.....X Stage III corrosion..... Stage II corrosion.....		X	X
Shifter yoke	Stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
Shifter lever	Stage IV corrosion; clevis pin frozen in yoke end.....X Stage III corrosion..... Stage II corrosion.....		X	X
DRIVE ASSEMBLY:				
Shafts	Stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
Gears	Stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
Bearings	Stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
Chains	Stage IV corrosion; cracked or broken links.....X Stage III corrosion.....		X	
IDLERS:	Stage IV corrosion; chipped or broken teeth .....X Stage III corrosion..... Stage II corrosion.....		X	X
UNIVERSAL JOINTS:	Stage IV corrosion .....X Stage III corrosion.....		X	
LUBRICATION FITTINGS:	Dry; missing or broken; stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
COMPONENTS AND ACCESSORIES:	Missing; incomplete .....X Deteriorated or damaged.....		X	
MODIFICATION WORK ORDER (MWO):				
Urgent classification	Not applied.....X			
Routine classification	Not applied.....		X	
DATA PLATES:	Illegible or missing			X

APPENDIX III-GG
ITEM DEFECTS FOR DISTRIBUTORS, WATER,
TANK TYPE, TRUCK MOUNTED

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and/or fastening devices broken or missing	X		
Painted surfaces	Dents		X	
Unpainted noncritical surfaces	Stage III corrosion; chipped or abraded	X		
	Stage II corrosion.....		X	
	Stage IV corrosion	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
TRUCK CHASSIS:	Refer to SB 740-97-23			
WATER TANK:	Stage IV corrosion on internal surfaces	X		
	Stage III corrosion on internal surfaces.....		X	
	Stage II corrosion on internal surfaces.....			X
WATER TANK LEVEL GAGE:	Broken or inoperative	X		
	Packing deteriorated		X	
WATER PUMP:	Stage IV corrosion on internal surfaces; impeller frozen; deteriorated gaskets or seals; leaks	X		
	Stage III corrosion on internal surfaces.....		X	
	Stage II corrosion on internal surfaces.....			X
SPRAYBAR ASSEMBLY:				
Piping and fittings	Stage IV corrosion on internal surfaces; leaks; breaks; damaged threads; nozzles missing or damaged; deteriorated seals.....	X		
Hoses	Stage III corrosion on internal surfaces.....		X	
Verticle and horizontal adjustment controls	Checking or cracking; loss of flexibility; cut or split; fungus growth	X		
	Stage IV corrosion on adjusting screws, cables or chains; inoperable or frozen.....	X		
	Stage III corrosion on adjusting screws, cables or chains.....		X	
VALVES:	Stage IV corrosion; frozen; leaks	X		
	Stage III corrosion.....		X	
BITUMETER ASSEMBLY:				
Bearings, shafts, and other critical surfaces.	Stage III corrosion.....	X		
Cables, pulleys, and frame	Stage II corrosion.....		X	
Controls	Stage IV corrosion; bends or cracks.....	X		
	Stage III corrosion.....		X	
	Frozen or inoperable	X		
SUCTION AND FIRE HOSES:	Stage IV corrosion on fittings; damaged threads; checking or cracking; loss of flexibility; cut or split; fungus growth	X		
	Stage III corrosion on fittings		X	
BASIC ISSUE ITEMS (BII):	Missing	X		
	Deteriorated or damaged.....		X	
COMPONENTS AND ACCESSORIES:	Missing; incomplete	X		
	Deteriorated or damaged.....		X	
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken, or distorted.....		X	
WARNING OR CAUTION PLATES:	Illegible; missing	X		
MODIFICATION WORK ORDER (MWO):				
Urgent classification	Not applied.....	X		
Routine classification	Not applied.....		X	
EQUIPMENT LOG BOOK (TM 38-750):	Missing	X		
	Incomplete		X	
DATA PLATES:ET	Illegible or missing			X
DEPRESERVATION GUIDE (DA FORM 2258):	Illegible or missing			X

**APPENDIX III-HH
ITEM DEFECTS FOR DISTRIBUTOR, WATER, COLLAPSIBLE TANK**

Item	Defect	Classification		
		Major		Minor
		A	B	
TANK ASSEMBLY:				
Collapsible tank	Checks, cracks, cuts extending to fabric; punctured; separated seams .....X			
Manhole cover	Bent, cracked or broken .....X			
Strainer	Stage IV corrosion; bent, cracked or distorted .....X			
	Stage III corrosion.....		X	
Chain	Contaminated with dirt or other foreign matter			X
	Stage IV corrosion; broken or missing.....		X	
	Stage III corrosion.....			X
Fill and drain assemblies	Stage IV corrosion; threads damaged; caps missing.....X			
	Stage III corrosion.....		X	
Air vent pipe	Cracked or broken; threads damaged.....X			
SPRAY BAR ASSEMBLY:				
Rubber hose	Checking or cracking; loss of flexibility, cut or split; fungus growth .....X			
Spray bar braces	Stage IV corrosion; broken.....X			
	Stage III corrosion; bent.....		X	
Spray bar	Stage IV corrosion on internal or external surfaces; holes clogged with dirt or other foreign matter .....X			
	Stage III corrosion on internal or external surfaces.....		X	
Valve	Stage II corrosion.....			X
	Stage IV corrosion; inoperative .....X			
	Stage III corrosion.....		X	
Chain	Stage IV corrosion; broken or missing		X	
	Stage III corrosion			X
Rope	Fungus growth; broken strands .....X			
COMPONENTS AND ACCESSORIES:				
	Missing-, incomplete	X		
	Deteriorated or missing.....		X	
BASIC ISSUE ITEMS				
	Missing	X		
	Deteriorated or damaged.....		X	
III-HH-0				

**APPENDIX III-II
ITEM DEFECTS FOR SWEEPER, ROTARY, TOWED,
GASOLINE ENGINE POWERED**

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and/or fastening devices broken or missing	X		
Painted surfaces	Dents		X	
	Stage III corrosion; chipped or abraded	X		
Unpainted noncritical surfaces	Stage II corrosion.....		X	
	Stage IV corrosion	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
GASOLINE ENGINE:				
Valves, rocker arm assembly, and combustion chambers.	Stage II corrosion.....	X		
	Stage I corrosion.....		X	
Piston assembly and cylinder walls.	Stage II corrosion.....	X		
	Stage I corrosion.....		X	
Flywheel and ring gear	Stage IV corrosion; ling gear chipped, cracked, or broken.....	X		
	Stage III corrosion.....		X	
Air cleaner	Stage II corrosion.....			X
	Stage IV corrosion	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Cooling system: Shutters and controls	Stage IV corrosion	X		
	Frozen; stage III corrosion		X	
	Stage II corrosion.....			X
Cooling fans	Bent or otherwise damaged to extent repair is required		X	
Seals and gaskets	Deteriorated; leaks or seeps	X		
Fuel system: Tanks:				
Internal surfaces	Stage III corrosion.....	X		
	Stage II corrosion; coating peeling or flaking.....		X	
External surfaces	Stage IV corrosion	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Lines, hoses and connectors	Cracked or checked; kinked; broken; fungus growth	X		
	Stage IV corrosion on internal surfaces; cracked or broken.....	X		
Filters and sediment bowls	Stage III corrosion on internal surfaces; element deteriorated or contaminated		X	
	Stage II corrosion on internal surfaces.....			X
Carburetor	Stage III corrosion; cracked or broken	X		
	Stage II corrosion; contaminated.....		X	
Seals	Deteriorated; leaks or seeps	X		
Exhaust system: Rain cap	Stage IV corrosion; cracked, broken, or missing.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Brackets and hangers	Stage IV corrosion; cracked or broken.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Intake and exhaust manifolds, mufflers and pipes	Stage IV corrosion; punctured	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Electrical system: Wiring	Broken strands; cracked insulation; fungus growth	X		
	Frayed; checked; loss of flexibility.....		X	
Terminals and connections	Stage III corrosion; broken terminals.....	X		
	Stage II corrosion.....		X	

Item	Defect	Classification		
		Major		Minor
		A	B	
Spark plugs	Stage III corrosion on spark point end; ceramic insulator broken		X	
	Stage II corrosion on spark point end.....			X
Switches, regulators, relays, magnetos, and controllers.	Stage III corrosion; broken; frozen	X		
	Stage II corrosion.....		X	
Generator assemblies, electric motors and starters.	Stage III corrosion; frozen	X		
	Stage II corrosion.....		X	
Lights and reflectors	Stage III corrosion; cracked or broken	X		
	Stage II corrosion.....		X	
Lubrication system: Lines, hoses, and fittings	Kinked; broken; leaks or seeps; checked or cracked; fungus growth.....	X		
Filters	Stage III corrosion on internal or external surfaces.....	X		
	Stage II corrosion on internal surfaces; element deteriorated or contaminated		X	
Lubricant	Contaminated		X	
Seals	Deteriorated; leaks or seeps	X		
CONTROLS AND INSTRUMENTS:	Stage III corrosion; cracked or broken; inoperable; dial face illegible.....	X		
	Stage II corrosion; linkage frozen.....		X	
WATER SPRAY SYSTEM:				
Water tanks	Stage IV corrosion on internal surfaces	X		
	Stage III corrosion on internal surfaces.....		X	
	Stage II corrosion on internal surfaces.....			X
Water pump	Stage IV corrosion on internal surfaces; rotor frozen; leaks	X		
	Stage III corrosion on internal surfaces.....		X	
	Stage II corrosion on internal surfaces.....			X
Drive belts	Checking or cracking; frayed or cut; loss of flexibility; fungus growth; broken reinforcing.....		X	
Pulleys	Cracked; broken; stage IV corrosion	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Water pump drive clutch	Bent, broken or frozen.....	X		
Spray bar	Stage IV corrosion on internal surfaces; nozzles missing or damaged.....	X		
	Stage III corrosion on internal surfaces.....		X	
HYDRAULIC SYSTEM:				
Lines, hoses and fittings	Kinked; broken; leaks or seeps; checked or cracked; fungus growth; loss of flexibility	X		
Pump and/or fluid reservoir	Body cracked or broken; stage III corrosion	X		
	Stage II corrosion on internal surfaces.....		X	
Cylinders and valves	Stage III corrosion.....	X		
	Stage II corrosion on rods and/or internal surfaces of cylinders and valves.....		X	
Operating fluid	Contaminated.....		X	
Gaskets and seals	Deteriorated; leaks or seeps	X		
Filters	Stage III corrosion on internal surfaces.....	X		
	Stage II corrosion on internal surfaces; element contaminated		X	
DRIVE SPROCKETS AND CHAINS:				
Drive sprockets	Cracked or broken; stage IV corrosion.....	X		
	Stage III corrosion		X	
	Stage II corrosion.....			X
Drive chains	Stage III corrosion; cracked or broken links	X		
	Stage II corrosion; pins and/or rollers frozen.....		X	
BROOM ASSEMBLY:				
Shaft ends, end plates, wire rope, cable, and core ends.	Stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion.....			X
Bearings	Stage III corrosion; frozen	X		
	Stage II corrosion.....		X	
Locking pins	Stage IV corrosion; frozen: missing.....	X		

Item	Defect	Classification		
		Major		Minor
		A	B	
Bristles Wood end caps	Stage III corrosion Stage II corrosion Distorted; damaged; excessive wear Split or cracked		X X X	X
BRAKE ASSEMBLY: Drum and/or shoes	Stage IV corrosion .....X Stage III corrosion Stage II corrosion		X X	X
Springs, anchors, cable, yokes, and/or linkage.	Stage IV corrosion; distorted or broken .....X Stage III corrosion; frozen Stage II corrosion		X X	X
TIRES:	Checks and cracks extending to the cord; cut or punctured; bulges indicating ply separation; chunking of rubber.....X			
WHEELS:	Distorted; broken; stage IV corrosion .....X Stage III corrosion Stage II corrosion		X	X
BASIC ISSUE ITEMS (BI):	Missing .....X Deteriorated or damaged.....		X	
COMPONENTS AND ACCESSORIES:	Missing, incomplete .....X Deteriorated or damaged.....		X	
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken or distorted.....		X	
WARNING OR CAUTION PLATES:	Illegible; missing .....X			
MODIFICATION WORK ORDER (MWO): Urgent classification Routine classification	Not applied .....X Not applied.....		X	
EQUIPMENT LOG BOOK (TM 38750):	Missing .....X Incomplete		X	
DATA PLATES:	Illegible or missing			X
DEPRESERVATION GUIDE (DA FORM 2258):	Illegible or missing			X
III-II-3				

**APPENDIX III-JJ
ITEM DEFECTS FOR SNOW REMOVAL UNITS, SELF-PROPELLED,
GASOLINE ENGINE DRIVEN**

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and/or fastening devices broken or missing	X		
Painted surfaces	Dents		X	
	Stage III corrosion; chipped or abraded		X	
Unpainted noncritical surfaces.	Stage II corrosion.....		X	
	Stage IV corrosion	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
CHASSIS:				
Frame and springs	Cracked or broken welds; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Tircz	Checks and cracks extending to the cord; cut or punctured; bulges indicating ply separation; chunking of rubber	X		
Wheels	Distorted; broken; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
STEERING SYSTEM:				
Actuating cylinders	Stage IV corrosion; shaft bent or distorted; seals leaking	X		
	Stage III corrosion on shafts		X	
	Stage II corrosion on shafts			X
Linkage	Stage IV corrosion; bent or distorted	X		
	Stage III corrosion; frozen		X	
	Stage II corrosion			X
Gear case	Stage IV corrosion on internal surfaces; deteriorated seals; leaks.....	X		
	Stage III corrosion on internal surfaces		X	
	Stage II corrosion on internal surfaces			X
Fluid reservoir	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces; leaks	X		
	Stage II corrosion on internal surfaces; fluid contaminated			X
CAB:				
Glass	Broken or cracked.....	X		
Hinges and latches	Broken; stage IV corrosion.....	X		
	Stage III corrosion; frozen		X	
	Stage II corrosion			X
Mirrors	Glass broken or cracked; stage III corrosion		X	
	Stage III corrosion			X
Wiper blades and arms	Rubber hardened, checked, cracked or torn; fungus growth; stage III corrosion		X	
	Stage II corrosion			X
Upholstering and cushions	Punctured or torn; mildew or fungus growth; insect infested.....		X	
	Stage III corrosion.....		X	
Seat adjusters	Stage III corrosion			X
	Stage II corrosion			X
ENGINE ASSEMBLY (PLOW AND CARRIER):				
Valves, rocker arm assembly and combustion chambers.	Stage II corrosion	X		
	Stage I corrosion		X	
Piston and assembly and cylinder walls.	Stage II corrosion.....	X		
	Stage I corrosion		X	
Flywheel and ring gear	Stage IV corrosion; ring gear chipped, cracked, or broken.....	X		
	Stage III corrosion		X	
	Stage II corrosion			X
Air cleaner	Stage IV corrosion	X		
	Stage III corrosion.....		X	

Item	Defect	Classification		
		Major		Minor
		A	B	
Cooling system: Radiator. Fan Cooling fins Seals and gaskets Hoses and belts Pulleys Water pump Fuel system: Tanks: Internal surfaces External surfaces Lines, hoses, and connectors Filters and sediment bowls Carburetors Seals Engine primers Exhaust system: Rain cap Brackets and hangers Intake and exhaust mani- folds, muffler and pipes.	Stage II corrosion			
	Stage IV corrosion on internal surfaces; leaks			X
	Stage III corrosion on internal surfaces; coolant contaminated	X		
	Stage II corrosion on internal surfaces		X	
	Blades broken; stage IV corrosion			X
	Bent; stage III corrosion	X		
	Stage II corrosion		X	
	Bent or otherwise damaged to the extent repair i required		X	
	Deteriorated; leaks or seeps	X		
	Checking or cracking; frayed or cut; loss of flexibility; fungus growth; broken reinforcing		X	
	Cracked; broken; stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
	Stage IV corrosion on internal surfaces; frozen; leaks	X		
	Stage III corrosion on internal surfaces		X	
	Stage II corrosion on internal surfaces			X
	Stage III corrosion	X		
	Stage II corrosion; coating peeling or flaking		X	
	Stage IV corrosion	X		
	Stage III corrosion		X	
	Stage II corrosion			X
	Cracked or checked; kinked; broken; fungus growth	X		
	Stage IV corrosion on internal surfaces; cracked or broken	X		
	Stage III corrosion on internal surfaces; element deteriorated or contaminated		X	
	Stage II corrosion on internal surfaces			X
	Stage III corrosion; cracked or broken	X		
	Stage II corrosion; contaminated		X	
	Deteriorated; leaks or seeps	X		
	Stage III corrosion on interior surfaces; handle broken or frozen; lines kinked or broken	X		
	Stage II corrosion on interior surfaces		X	
Stage IV corrosion; cracked, broken, or missing	X			
Stage III corrosion		X		
Stage II corrosion			X	
Stage IV corrosion; cracked or broken	X			
Stage III corrosion		X		
Stage II corrosion			X	
Stage IV corrosion; punctured	X			
Stage III corrosion		X		
Stage II corrosion			X	
ELECTRICAL SYSTEM: Wiring Terminals and connections Spark plugs Switches, regulators, relays, magnetos and controllers Generator assemblies, elec- tric motors and starters Lights and reflectors	Broken strands; cracked insulation; fungus growth	X		
	Frayed; checked; loss of flexibility		X	
	Stage III corrosion; broken terminals	X		
	Stage II corrosion		X	
	Stage III corrosion on spark point end; ceramic insulator broken		X	
	Stage II corrosion on spark point end			X
	Stage III corrosion; broken; frozen	X		
	Stage II corrosion		X	
	Stage III corrosion; frozen	X		
	Stage II corrosion		X	
	Stage III corrosion; cracked or broken		X	
	Stage II corrosion			X

Item	Defect	Classification		
		Major		Minor
		A	B	
LUBRICATION SYSTEM:				
Lines, hoses, and fittings	Kinked; broken; leaks or seeps; checked or cracked; fungus growth.....X			
Filters	Stage III corrosion on internal or external surfaces.....X			
Lubricant	Stage II corrosion on internal surfaces; element deteriorated or contaminated		X	
Seals	Contaminated.....X		X	
	Deteriorated; leaks or seeps	X		
CONTROLS AND INSTRUMENTS:				
	Stage III corrosion; cracked or broken; inoperable; dial face illegible.....X			
	Stage II corrosion; linkage frozen.....		X	
GOVERNORS:				
	Stage IV corrosion; linkage broken	X		
	Stage III corrosion; linkage frozen.....		X	
	Stage II corrosion.....			X
HYDRAULIC SYSTEM:				
Lines, hoses, and fittings	Kinked; broken; leaks or seeps; checked or cracked; fungus growth; loss of flexibility	X		
Pump and/or fluid reservoir	Body cracked or broken; stage III corrosion.....X			
Cylinders and valves	Stage II corrosion on internal surfaces.....		X	
	State II corrosion.....X			
	Stage II corrosion on rods and/or internal surfaces of cylinders and valves.....		X	
Operating fluid	Contaminated.....		X	
Gaskets and seals	Deteriorated; leaks or seeps	X		
Filters	Stage III corrosion on internal surfaces.....X			
	Stage II corrosion on internal surfaces; element contaminated		X	
BRAKE ASSEMBLY:				
Drum and/or shoes	Stage IV corrosion	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Springs, anchors, cable, yokes, and/or linkage.	Stage IV corrosion; distorted or broken.....X			
	Stage III corrosion; frozen		X	
	Stage II corrosion.....			X
Air compressor, air reservoir, air chamber, and quick release relay valve.	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces.....X			
	Stage II corrosion on internal surfaces; stage III corrosion on external surfaces.....		X	
Lines, hoses, and fittings	Checked; cracked; kinked; split or cut; leaks; loss of flexibility.....X			
POWER TRAIN:				
Transmission and converter	Stage III corrosion on internal surfaces; seals deteriorated; leaks.....X			
	Stage II corrosion on internal surfaces; contaminated lubricant		X	
Differential	Stage III corrosion on housing, gears, shafts, bearings or pinion; deteriorated seals; leaks.....X			
	Stage II corrosion on gears, shafts, bearings or pinion; lubricant contaminated		X	
Transfer case	Stage III corrosion on internal surfaces; deteriorated seals; leaks.....X			
	Stage II corrosion on internal surfaces; lubricant contaminated		X	
DRIVE BELTS AND HOSES:				
	Checking; cracking; broken reinforcing, frayed; cut; loss of flexibility and resiliency; fungus growth.....		X	
WINTERIZATION SYSTEM:				
Heaters	Stage III corrosion on internal surfaces.....X			
	Stage II corrosion on internal surfaces		X	
Fuel system	Stage III corrosion on internal surfaces of pump; cracks, breaks, or kinks in lines.....X			
	Stage II corrosion on internal surfaces of pump; filter contaminated		X	

Item	Defect	Classification		
		Major		Minor
		A	B	
Coolant pumps	Stage III corrosion on internal surfaces; fittings and lines leaking, kinked, cracked, or broken		x	
Heater and defroster manifolds	Stage II corrosion on internal surfaces		x	
Hoses and flexible duct	Stage III corrosion on internal surfaces; control levers or shutters frozen or broken	x		
	Checking or cracking; broken reinforcing; cut; lack of flexibility and resiliency; fungus growth.....	x		
AUGER ASSEMBLY:				
Augers	Flights or tubes bent or cracked; broken welds.....	x		
Trunion bearing assembly	Stage III corrosion; frozen; cracked or broken	x		
	Stage II corrosion.....		x	
CHUTE ASSEMBLY:				
Chute turntable	Stage III co-rosion on critical surfaces.....	x		
	Stage II corrosion on critical surfaces.....		x	
Chute turret assembly	Stage III corrosion on pins, springs or fasteners; chute or supports bent, cracked or broken; frozen or inoperable	x		
	Stage II corrosion on pins, springs or fastners		x	
FAN BLOWER:	Stage III corrosion, blades bent, broken or distorted; frozen or inoperative.....	x		
FAN BLOWER GEAR CASE:	Stage III corrosion on internal surfaces; gear teeth chipped, cracked, or broken.....	x		
	Stage II corrosion on internal surfaces; contaminated lubricant		x	
DRIVE CHAINS:				
Precision	Stage III corrosion; cracked or broken links	x		
	Stage II corrosion; pins and/or rollers frozen.....		x	
Nonprecision	Stage IV corrosion; cracked or broken links.....	x		
	Stage III corrosion; pins and/or rollers frozen.....		x	
	Stage II corrosion.....			x
HOUSING CONTROL ARMS:	Stage IV corrosion; bent, cracked, or broken.....	x		
	Stage III corrosion.....		x	
UNIVERSAL JOINT AND SPLINES:	Stage III corrosion on machined surfaces; frozen.....	x		
	Stage II corrosion on machined surfaces.....		x	
CLUTCH ASSEMBLY:				
Bearings, shafts, linkage, and springs.	Stage III corrosion; frozen.....	x		
	Stage II corrosion.....		x	
Fiber disks and bands	Deteriorated; punctured or torn	x		
Lubricant	Contaminated.....		x	
BASIC ISSUE ITEMS (BI):	Missing	x		
	Deteriorated or damaged.....		x	
COMPONENTS AND ACCESSORIES:	Missing; incomplete	x		
	Deteriorated or damaged.....		x	
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken, or distorted.....		x	
WARNING OR CAUTION PLATES:	Cracked, broken, or distorted.....		x	
MODIFICATION WORK ORDER (MWO):				
Urgent classification	Not applied.....	x		
Routine classification	Not applied.....		x	
EQUIPMENT LOG BOOK (TM 38750):	Missing	x		
	Incomplete		x	
DATA PLATES	Illegible or missing			x
DEPRESERVATION GUIDE (DA FORM 2258):	Illegible or missing			x

**APPENDIX III-KK
ITEM DEFECTS FOR GRADATION CONTROL UNIT, AGGREGATE**

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mountings and/or fastening devices broken or missing.....X			
Painted surfaces	Dents..... Stage 111 corrosion; chips/slt or abraded.....X Stage II corrosion.....		X	
Unpainted noncritical surfaces.	Stage IV corrosion.....X Stage III corrosion..... Stage II corrosion.....		X	X
CHASSIS:				
Frame members	Cracked or broken welds; stage I' corrosion.....X Stage III corrosion..... Stage II corrosion.....		X	X
Tires	Checks and cracks extending to the cord; cut or punctured; bulges iTdtlicatinig ply separation; chunking of rubber.....X			
Wheels	Distorted; broken; stagt IV corrosion.....X Stage III corrolon..... Stage II corrosion.....		X	X
Jack legs	Stage IV corrosion bent or broken; threads damaged.....X Stage III corrosion.....		X	
Wheel bearings	Stage IV corrosion; lubricant contaminated.....X Stage III corrosion..... Stage II corrosion.....		X	X
Kingpin and plate	Stage IV corrosion.....X Stage III corrosion.....		X	
Tool box	Stage IV comision; hlasps tbent or broken.....X Stage III corrosion.....		X	
WIRE ROPE:	Stage IV conrosisin; broken strands.....X Stage III corrosion..... Stage II corrosion.....		X	X
BRAKE ASSEMBLY:				
Drum and/or shoes	Stage IV corrosion.....X Stage III corrosion..... Stage II corrosion.....		X	X
Springs, anchors, cable, yokes, and/or linkage.	Stage IV corrosion; dislorted or broken.....X Stage III corrosion; frozen..... Stage II corrosion.....		X	X
Air reservoir	Stage III corrosion on internal surfaces; stage IV corrosion on external surfaces.....X Stage II corrosion on internal surfaces; stage III corrosion on external surfaces.....		X	
ELECTRICAL SYSTEM:				
Wiring	Broken strands; cracked insulation; fungus growth.....X Frayed; checked; loss of flexibility.....		X	
Terminals and connectios	Stage III conrosion; broken terminals.....X Stage II conrosion.....		X	
Switches, junction boxes and receptacles.	Stage III corrosion; broken; frozen.....X Stage II corrosion.....		X	
Lights and reflectors	Stage III corrosion; cracked or broken..... Stage II corrosion.....		X	X
HANDRILLS, LADDERS, PLATFORMS, AND CATWALKS	Stage IV corrosion; twisted or bent.....X			

Item	Defect	Classification		
		Major		Minor
		A	B	
	Stage III corrosion.....		X	
HOPPERS, SPOUTS, AND CHUTES:	Stage IV corrosion on interior surfaces.....	X		
	Stage III corrosion on interior surfaces.....		X	
SCREENS:	Stage IV corrosion; bent, torn, or punctured.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
FEEDER GATE ASSEMBLY:				
Adjusting screws	Stage IV corrosion; damaged threads.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Shafts	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Gates	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
Handles	Stage IV corrosion; bent or broken.....	X		
	Stage III corrosion.....		X	
Universal joints	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
Inch scale	Stage IV corrosion; pointers bent or broken.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
FLOW SELECTOR:	Stage IV corrosion on interior surfaces.....	X		
	Stage III corrosion on interior surfaces.....		X	
REVOLUTION COUNTER ASSEMBLY:				
Dial	Stage IV corrosion; pointer broken.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Counter	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
RUBBER FLASHINGS:	Checking or cracking; frayed or cut; loss of flexibility and resiliency; fungus growth.....	X		
BIN LEVEL TELLTALES:	Stage IV corrosion on arms, rods, wings, and supports.....	X		
	Stage III corrosion on arms, rods, wings, and supports.....		X	
	Stage II corrosion on arms, rods, wings, and supports.....			X
FEEDER ASSEMBLIES:				
Frames	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Pans	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Chains	Stage IV corrosion; pins and/or rollers frozen; cracked or broken links.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Sprockets and idlers	Stage IV corrosion on machined surfaces; cracked or broken teeth.....	X		
	Stage III corrosion on machined surfaces.....		X	
	Stage II corrosion on machines surfaces.....			X
Clutch	Stage IV corrosion on collar, shaft, or yoke.....	X		
	Stage III corrosion on collar, shaft, or yoke.....		X	
	Stage II corrosion on collar, shaft, or yoke.....			X
Hubs and shafts	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Bearings	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
SCREEN DRIVE ASSEMBLY:				
Housing	Stage IV corrosion on interior surfaces.....	X		
	Stage III corrosion on interior surfaces.....		X	
	Stage II corrosion on interior surfaces.....			X

Item	Defect	Classification		
		Major		Minor
		A	B	
Guards	Stage IV corrosion on interior surfaces.....	X		
	Stage III corrosion on interior surfaces.....		X	
Shafts	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
Counterweights	Stage II corrosion.....			X
	Stage IV corrosion.....	X		
Pulleys	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Drive belts and hoses	Stage IV corrosion; cracked or broken.....	X		
	Stage III corrosion.....		X	
Universal joints	Checking or cracking; frayed or cut; loss of flexibility; fungus growth; broken reinforcing.....	X		
	Stage IV corrosion.....	X		
Canvas dust protectors	Stage III corrosion.....		X	
	Tears, cuts; mold, mildew, or dry rot; insect and/or rodent damage.....	X		
SCREEN SUPPORT SPRINGS:	Stage IV corrosion on coil or leaf springs.....	X		
	Stage III corrosion on coil or leaf springs.....		X	
ENCLOSED GEARS:	Stage III corrosion on bearings, shafts or gears; chipped, cracked, or broken gears; deteriorated gaskets or seals; leaks.....	X		
	Stage II corrosion on bearings, shafts or gears; contaminated lubricant.....		X	
PLATFORM SCALES:	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
SAMPLING CONTAINERS:	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
SNATCH BLOCKS:	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
LUBRICATION FITTINGS:	Dry; missing or broken; stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
COMPONENTS AND ACCESSORIES:	Missing; incomplete.....	X		
	Deteriorated or damaged.....		X	
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken, or distorted.....		X	
WARNING OR CAUTION PLATES:	Illegible; missing.....	X		
MODIFICATION WORK ORDER (MWO):				
Urgent classification	Not applied.....	X		
Routine classification	Not applied.....		X	
DATA PLATES:	Illegible or missing.....			X
	III-KK-2			

APPENDIX III-LL

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSING: General	Fractures; base mounting and/or fastening devices broken or inoperative.....X			
Painted surfaces	Dents Stage III corrosion; chipped or abraded .....X Stage II corrosion.....	X	X	
Unpainted noncritical surfaces	Stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
SPROCKET, SHEAVES, ROLLERS AND IDLERS:	Distorted; cracked or broken; stage IV corrosion, frozen; missing .....X Stage III corrosion..... Stage II corrosion.....		X	X
STRUCTURAL MEMBERS:	Twisted; bent; cracked welds; broken.....X Dents		X	
GEARS: Exposed	Chipped, cracked or broken; stage III corrosion.....X Stage II corrosion.....			X
Enclosed	Chipped, cracked, or broken; stage II corrosion; contaminated lubricant; leaks, deteriorated gaskets or seals.....X Stage I corrosion.....		X	
GEAR SHAFTS AND BEARINGS:	Stage III corrosion; frozen.....X Stage II corrosion.....		X	
LUBRICATION SYSTEM: Seals Lines Fittings Lubrication points	Deteriorated; leading .....X Kinked, cracked, or broken; leaking .....X Missing or broken; contaminated lubricant.....X Dry			X
BUCKET OR DIPPERS SHANKS AND TEETH:	Loose; damaged; incomplete or missing; stage IV corrosion .....X Stage III corrosion.....		X	
HINGE PINS, BEARINGS, BUSHING AND SHAFTS:	Damaged; frozen; stage IV corrosion.....X Stage III corrosion..... Stage II corrosion.....		X	X
FITTINGS (WIRE ROPE):	Damaged; incomplete; stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
ASSEMBLY HARDWARE:	Damaged; incomplete; stage IV corrosion .....X Stage III corrosion.....		X	
WIRE ROPE:	Broken strands; stage IV corrosion .....X Kinked or frayed; stage III corrosion..... Stage II corrosion.....		X	X
DRIVE CHAINS:	Cracked or broken links; stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
LAGGING:	Stage IV corrosion; assembly hardware or wedges missing .....X Stage III corrosion..... Stage II corrosion.....		X	X
CHROUDCHAIN TIGHTNERS:	Stage IV corrosion on adjusting studs or nuts; bent; damaged threads .....X Stage III corrosion on adjusting studs or nuts.....		X	
TURNBUCKLES:	Stage IV corrosion on threaded surfaces; bent or broken; damaged threads .....X Stage III corrosion on threaded surfaces.....		X	
GUARDS AND SHIELDS:	Distorted, incomplete or missing; stage IV corrosion.....X			

Item	Defect	Classification		
		Major		Minor
		A	B	
	Stage III corrosion.....X			
	Stage II corrosion.....		x	
BOOM ,ANGLE INDICATOR	Broken; markings illegibel; indicator frozen.....		x	
IMODIFICATION WORK ORDER (MWO):				
Urgent classification	Not applied.....X			
Routine classification	Not applied.....		x	
COMPONENTS AND ACCESSORIES:				
	Missing; incomplete .....X			
	Damaged .....x		x	
DATA PLATES:				
	Incorrect, illegible, or missing.....			x
BASIC ISSUE ITESM (BII):				
	Missing .....X			
	Deteriorated or damaged.....x		x	
III-LL-2				

**APPENDIX III-MM
ITEM DEFECTS FOR EXTRACTOR. PILE**

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and/or fastening devices broken or missing.....X			
Painted surfaces	Stage III corrosion; chipped or abraded.....X			
Unpainted noncritical surfaces.	Stage II corrosion.....		X	
	Stage IV corrosion.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
RAM ASSEMBLY:				
Ram	Stage IV corrosion; frozen in cylinder.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Piston rings	Stage IV corrosion; broken.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
CROSS HEAD ASSEMBLY:				
Side bar pin	Stage IV corrosion; frozen.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Cross head pin	Stage IV corrosion; frozen.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
LUBRICATOR:	Stage IV corrosion.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
CYLINDER:	Stage IV corrosion on interior surfaces.....X			
	Stage III corrosion on interior surfaces.....		X	
	Stage II corrosion on interior surfaces.....			X
ANVIL	Stage IV corrosion.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
BUMPERS:	Stage IV.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
GASKETS:	Deteriorated or leaking.....X			
COMPONENTS AND ACCESSORIES:	Missing; incomplete.....X			
	Deteriorated or damaged.....		X	
MODIFICATION WORK ORDER (MWO):				
Urgent classification	Not applied.....X			
Routine classification	Not applied.....		X	
DATA PLATES:	Illegible or missing.....			X

**APPENDIX III-NN
ITEM DEFECTS FOR SAW, ABRASIVE DISK, MASONRY**

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and/or fastening devices broken or missing.....X			
Painted surfaces	Dents.....		X	
	Stage III corrosion; chipped or abraded.....X			
Unpainted noncritical surfaces.	Stage II corrosion.....		X	
	Stage IV corrosion.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
FRAME ASSEMBLY:				
Frame	Cracked or broken welds; stage IV corrosion.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Tires	Chunking of rubber; rubber tires loose.....X			
Wheels	Distorted; broken; stage IV corrosion.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
ENGINE ASSEMBLY:				
Valves, rocker arm assembly and combustion chambers.	Stage II corrosion.....X			
	Stage I corrosion.....		X	
Piston assembly and cylinder walls	Stage II corrosion.....X			
	Stage I corrosion.....		X	
Flywheel and ring gear	Stage IV corrosion; ring gear chipped, cracked, or broken.....X			
	Stage III corrosion.....		X	
Air cleaner	Stage II corrosion.....			X
	Stage IV corrosion.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Cooling system: Fan	Blades broken; stage IV corrosion.....X			
	Bent; stage III corrosion.....		X	
	Stage II corrosion.....			X
Cooling fins	Bent or otherwise damaged to the extent repair is required.....		X	
Fuel system: Tanks:				
Internal surfaces	Stage III corrosion.....X			
	Stage II corrosion; coating peeling or flaking.....		X	
External surfaces	Stage IV corrosion.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Lines, hoses, and connectors	Cracked or checked; kinked; broken; fungus growth.....X			
Filters and sediment bowls	Stage IV corrosion on internal surfaces; cracked or broken.....X			
	Stage III corrosion on internal surfaces; element deteriorated or contaminated.....		X	
	Stage II corrosion on internal surfaces.....			X
Carburetor	Stage III corrosion; cracked or broken.....X			
	Stage II corrosion; contaminated.....		X	
Throttle and choke	Stage IV corrosion; broken.....X			
	Stage III corrosion; bent or frozen.....		X	
	Stage II corrosion.....			X
Seals	Deteriorated; leaks or seeps.....X			
Exhaust system: Rain cap				
	Stage IV corrosion; cracked, broken, or missing.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X

Item	Defect	Classification		
		Major		Minor
		A	B	
Brackets and hangers	Stage IV corrosion; cracked or broken.....X			
	Stage III corrosion.....		X	
Intake and exhaust manifolds, muffler, and pipes	Stage II corrosion.....			X
	Stage IV corrosion; punctured.....X			
	Stage III corrosion.....		X	
LUBRICATION SYSTEM: Lines, hoses, and fittings	Stage II corrosion.....			X
	Kinked; broken; leaks or seeps; checked or cracked; fungus growth.....X			
	Filters	Stage III corrosion on internal or external surfaces.....X		
Lubricant Seals	Stage II corrosion on internal surfaces; element deteriorated or contaminated.....		X	
	Contaminated.....		X	
	Deteriorated; leaks or seeps.....X			
CONTROLS AND INSTRUMENTS:	Stage III corrosion; cracked or broken; inoperable; dial face illegible.....X			
GOVERNORS:	Stage II corrosion; linkage frozen.....		X	
	Stage IV corrosion; linkage broken.....X			
	Stage III corrosion; linkage frozen.....		X	
ELECTRICAL SYSTEM: Wiring	Stage II corrosion.....			X
	Broken strands; cracked insulation; fungus growth.....X			
	Frayed; checked; loss of flexibility.....		X	
Terminals and connections	Stage III corrosion; broken terminals.....X			
	Stage II corrosion.....		X	
Spark plugs	Stage III corrosion on spark point end; ceramic insulator broken.....		X	
	Stage II corrosion on spark point end.....			X
Switches, regulators, relays, magnetos, and controllers.	Stage III corrosion; broken; frozen.....X			
	Stage II corrosion.....		X	
Generator assemblies and starters	Stage III corrosion; frozen.....X			
	Stage II corrosion.....		X	
DRIVE BELTS, HOSES, AND HOSE FITTINGS:				
Drive belts and hoses	Checking; cracking; broken reinforcing; frayed; cut; loss of flexibility and resiliency; fungus growth.....X			
Fittings	Bent or broken; threads damaged; stage IV corrosion.....		X	
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
DRIVE AND CUTTING SYSTEM:				
Transmission	Stage III corrosion on interior surfaces; seals or gaskets deteriorated; leaks.....X			
	Stage II corrosion on interior surfaces; contaminated lubricant.....		X	
Control unit	Stage IV corrosion on dial, gears, pinion or other internal critical surfaces; cable kinked or broken; frozen or inoperative.....X			
	Stage III corrosion on dial, gears, pinion, or other internal critical surfaces.....		X	
	Stage II corrosion on dial, gears, pinion, or other internal critical surfaces.....			X
Shafts	Stage IV corrosion.....X			
	Stage III corrosion.....		X	
Coupler	Stage II corrosion.....			X
	Stage IV corrosion; chipped or broken dogs; inoperative.....X			
Saw guides and guard	Stage III corrosion.....		X	
	Stage II corrosion.....			X
	Bent or broken; missing; stage IV corrosion.....X		X	
	Stage III corrosion.....			X
	Stage II corrosion.....			X

Item	Defect	Classification		
		Major		Minor
		A	B	
Depth control	Stage IV corrosion on adjusting screw; rods, levers, or brackets bent or broken; inoperative .....X Stage III corrosion on adjusting screw Stage II corrosion on adjusting screw		X	X
PULLEYS AND DRIVE SPROCKETS:	Cracked or broken; stage IV corrosion.....X Stage III corrosion Stage II corrosion.....		X	X
DRIVE CHAINS:	Stage III corrosion; cracked or broken links .....X Stage II corrosion; pins and/or rollers frozen.....		X	
WATER SYSTEM: Pump	Stage IV corrosion on impeller, shaft or interior surfaces of housing; shaft frozen or binding; house cracked; chipped, cracked or broken impeller; deteriorated gaskets or seals.....X Stage III corrosion in impeller, shaft of interior surfaces of housing Stage II corrosion on impeller, shaft or interior surfaces of housing		X	
Control valve	Stage IV corrosion; bent, broken, or frozen.....X Stage III corrosion Stage II corrosion.....		X	X
PARKING BRAKE ASSEMBLY:	Stage IV corrosion; bent, broken, or frozen.....X Stage III corrosion.....		X	
ACCESSORIES: Box	Bent or distorted; hinges and fasteners frozen or missing .....X			
Saw blades: Steel	Stage IV corrosion; distorted or bent; broken .....X Stage III corrosion Stage II corrosion.....		X	X
Abrasive	Chipped, broken, or cracked.....X			
LUBRICATION FITTINGS:	Dry; missing or broken; stage IV corrosion .....X Stage III corrosion Stage II corrosion.....		X	X
COMPONENTS:	Missing; incomplete .....X Deteriorated or damaged.....		X	
LIFTING DEVICES:	Cracked, broken or distorted.....		X	
WARNING OR CAUTION PLATES:	Illegible; missing .....X			
DATA PLATES:	Illegible or missing			X
DEPRESERVATION GUIDE (DA FORM 2258)	Illegible or missing			X
III-NN-2				

**APPENDIX III-OO
ITEM DEFECTS FOR PIPING SYSTEM, ASPHALT**

Item	Defect	Classification		
		Major		Minor
		A	B	
PIPE, TUBING, UNLOADING HOSE, JACKETED FLEX AND UNJACKETED FLEX:	Stage III corrosion on interior surfaces; stage IV corrosion on exterior surfaces; bent or distorted; damaged threads.....X Stage II corrosion on interior surfaces; stage III corrosion on exterior surfaces.....	X		
VALVES:	Stage III corrosion on interior surfaces; stage IV corrosion on exterior surfaces; frozen or damaged; flanges damaged.....X Stage II corrosion on interior surfaces; stage III corrosion on exterior surfaces.....		X	
PIPE FITTINGS:	Stage III corrosion on interior surfaces; stage IV corrosion on exterior surfaces; damaged threads and/or flanges.....X Stage II corrosion on interior surfaces; stage III corrosion on exterior surfaces.....	X		
GASKETS:	Excessive moisture, fungus, mildew, rot, or delamination.....X			
BOLTS AND NUTS:	Stage IV corrosion .....X Stage III corrosion..... Stage II corrosion.....		X	X
TECHNICAL PUBLICATIONS:	Missing .....X	X		
	III-OO-1			

**APPENDIX III-PP
ITEM DEFECTS FOR FLOAT BRIDGE, CONCRETE FINISHING**

Item	Defect	Classification		
		Major		Minor
		A	B	
EXTERIOR SURFACES AND HOUSINGS:				
General	Fractures; base mounting and/or fastening devices broken or missing.....X			
Painted surfaces	Dents.....		X	
Unpainted noncritical surfaces.	Stage III corrosion; chipped or abraded.....X			
	Stage II corrosion.....		X	
	Stage IV corrosion.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
FRAME ASSEMBLY:				
Frame	Cracked or broken welds; stage IV corrosion.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Wheels	Cracked or broken flange; stage IV corrosion.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
ENGINE ASSEMBLY:				
Valves, rocker arm assembly, and combustion chambers.	Stage II corrosion.....X			
	Stage I corrosion.....		X	
Piston assembly and cylinder walls.	Stage II corrosion.....X			
	Stage I corrosion.....		X	
Air cleaner	Stage IV corrosion.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Cooling fins	Bent or otherwise damaged to the extent repair is required.....		X	
Fuel system:				
Tanks:				
Internal surfaces	Stage III corrosion.....X			
	Stage II corrosion; coating peeling or flaking.....		X	
External surfaces	Stage IV corrosion.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Lines, hoses and connectors	Cracked or checked; kinked; broken; fungus growth.....X			
Filters and sediment bowls	Stage IV corrosion on internal surfaces; cracked or broken.....X			
	Stage III corrosion on internal surfaces; element deteriorated or contaminated.....		X	
	Stage II corrosion on internal surfaces.....			X
Throttle and choke	Stage IV corrosion; broken.....X			
	Stage III corrosion; bent or frozen.....		X	
	Stage II corrosion.....			X
Carburetor	Stage III corrosion; cracked or broken.....X			
	Stage II corrosion; contaminated.....		X	
Seals	Deteriorated; leaks or seeps.....X			
Starter (recoil)	Handle broken; cord frayed or cut; inoperative.....X			
Exhaust system:				
Rain cap	Stage IV corrosion; cracked, broken, or missing.....X			
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
Brackets and hangers	Stage IV corrosion; cracked or broken.....X			

Item	Defect	Classification		
		Major		Minor
		A	B	
Intake and exhaust manifolds, muffler, and pipes	Stage III corrosion.....		X	
	Stage II corrosion.....			X
	Stage IV corrosion; punctured.....	X		
	Stage III corrosion.....		X	
GOVERNORS:	Stage IV corrosion; linkage broken.....	X		
	Stage III corrosion; linkage frozen.....		X	
	Stage II corrosion.....			X
LUBRICATION SYSTEM: Lines, hoses, and fittings Filters Lubricant Seals	Kinked; broken; leaks or seeps; checked or cracked; fungus growth.....	X		
	Stage III corrosion on internal or external surfaces.....	X		
	Stage II corrosion on internal surfaces; element deteriorated or contaminated.....		X	
	Contaminated.....		X	
	Deteriorated; leaks or seeps.....	X		
CONTROLS AND INSTRUMENTS:	Stage III corrosion; cracked or broken; inoperable; dial face illegible.....	X		
	Stage II corrosion; linkage frozen.....		X	
TRANSMISSION:	Stage III corrosion on internal surfaces; seals deteriorated; leaks.....	X		
	Stage II corrosion on internal surfaces; contaminated lubricant.....		X	
ELECTRICAL SYSTEM: Wiring Terminals and connections Spark plugs	Broken strands; cracked insulation; fungus growth.....	X		
	Frayed; checked; loss of flexibility.....	X		
	Stage III corrosion; broken terminals.....	X		
	Stage II corrosion.....		X	
	Stage III corrosion on spark point end; ceramic insulator broken.....	X		
	Stage II corrosion on spark point end.....		X	
DRIVE CHAINS:	Stage III corrosion; cracked or broken links.....	X		
	Stage II corrosion; pins and/or rollers frozen.....		X	
SPROCKETS:	Cracked or broken; stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
BRAKE ASSEMBLY: Drum and/or shoes Springs, anchors, cable, yokes, and/or linkage	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
	Stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
WALKWAY LUMBER:	Decay, mold, mildew or dry rot; insect or rodent infested; one or more through check, split or crack that is longer than the width of the member.....	X		
TOOL BOX:	Bent or distorted; hinges and fasteners frozen or missing.....	X		
LUBRICATION FITTINGS:	Dry; missing or broken; stage IV corrosion.....	X		
	Stage III corrosion.....		X	
	Stage II corrosion.....			X
BASIC ISSUE ITEMS (BII):	Missing.....	X		
	Deteriorated or damaged.....		X	
COMPONENTS AND ACCESSORIES:	Missing; incomplete.....	X		
	Deteriorated or damaged.....		X	
LIFTING AND/OR TIE DOWN DEVICES:	Cracked, broken, or distorted.....	X		
WARNING OR CAUTION PLATES: DATA PLATES:	Illegible; missing.....	X		
	Illegible or missing.....		X	
DEPRESERVATION GUIDE (DA FORM 2258):	Illegible or missing.....	X		

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



THEN... JOT DOWN THE DOPE ABOUT IT ON THIS FORM, CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL!

SOMETHING WRONG WITH THIS PUBLICATION?

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER

PUBLICATION DATE

PUBLICATION TITLE

BE EXACT... PIN-POINT WHERE IT IS

PAGE NO.

PARA-GRAPH

FIGURE NO.

TABLE NO.

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

TEAR ALONG PERFORATED LINE

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SIGN HERE:

DA FORM 2028-2 JUL 79

PREVIOUS EDITIONS ARE OBSOLETE.

P.S.—IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.

THE METRIC SYSTEM AND EQUIVALENTS

WEIGHT MEASURE

1 Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches
 1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 Inches
 1 Kilometer = 1000 Meters = 0.621 Miles

WEIGHTS

1 Gram = 0.001 Kilograms = 1000 Milligrams = 0.035 Ounces
 1 Kilogram = 1000 Grams = 2.2 lb.
 1 Metric Ton = 1000 Kilograms = 1 Megagram = 1.1 Short Tons

LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces
 1 Liter = 1000 Milliliters = 33.82 Fluid Ounces

SQUARE MEASURE

1 Sq. Centimeter = 100 Sq. Millimeters = 0.155 Sq. Inches
 1 Sq. Meter = 10,000 Sq. Centimeters = 10.76 Sq. Feet
 1 Sq. Kilometer = 1,000,000 Sq. Meters = 0.386 Sq. Miles

CUBIC MEASURE

1 Cu. Centimeter = 1000 Cu. Millimeters = 0.06 Cu. Inches
 1 Cu. Meter = 1,000,000 Cu. Centimeters = 35.31 Cu. Feet

TEMPERATURE

$5/9(^{\circ}\text{F} - 32) = ^{\circ}\text{C}$
 212° Fahrenheit is equivalent to 100° Celsius
 90° Fahrenheit is equivalent to 32.2° Celsius
 32° Fahrenheit is equivalent to 0° Celsius
 $9/5^{\circ}\text{C} + 32 = ^{\circ}\text{F}$

APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
its	Liters	0.473
arts	Liters	0.946
allons	Liters	3.785
Ounces	Grams	28.349
Pounds	Kilograms	0.454
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds per Square Inch	Kilopascals	6.895
Miles per Gallon	Kilometers per Liter	0.425
Miles per Hour	Kilometers per Hour	1.609

TO CHANGE	TO	MULTIPLY BY
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Square Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Milliliters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
ers	Gallons	0.264
ms	Ounces	0.035
ograms	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pounds-Feet	0.738
Kilopascals	Pounds per Square Inch	0.145
ometers per Liter	Miles per Gallon	2.354
ometers per Hour	Miles per Hour	0.621



PIN: 011648-000