

LUBRICATION ORDER

LO 5-3895-320-12

20 DECEMBER 83

(Supersedes LO 5-3895-320-12-1, and -2, 10 MAY 1968)

**DRYER, AGGREGATE, DIESEL ENGINE DRIVEN,
4-WHEEL MOUNTED (BARBER-GREENE MODEL DA-60)
(NSN 3895-00-936-8123) W/ELEVATOR, BUCKET TYPE
(BARBER-GREENE MODEL 881)
(3910-00-829-6517); COMPONENTS OF:
MIXING PLANT, ASPHALT, 100 TO 150-TON
PER HOUR, MODEL KA-60 (3895-00-936-8613)**

Reference: TM 5-3895-320-15 and FEDERAL SUPPLY CATALOG C9100-IL.

Hard time intervals and the related man-hour times are based on normal operation. The man-hour time specified is the time you need to do all the services prescribed for a particular interval.

Change the hard time interval if your lubricants are contaminated or if you are operating the equipment under adverse operating conditions, including longer than-usual operating hours. The hard time interval may be extended during periods of low activity. If extended, adequate preservation precautions must be taken.

WARNING

Dry cleaning fluid is flammable. Do not use near a flame or excessive heat. Use only with adequate ventilation. Avoid prolonged breathing of vapors and minimize skin contact.

Clean parts or fittings with dry cleaning solvent (SD), Type II or equivalent. Dry before lubricating. Dotted arrow shafts indicate lubrication on both sides of equipment. A dotted circle indicates a drain below. Relubricate all items found contaminated after fording or washing.

The lowest level of maintenance authorized to lubricate a point is indicated by one of the following symbols as appropriate: Operator/Crew (C); and Organizational Maintenance (O).

Reporting errors and recommending improvements. You can help improve this manual. If you find any mistakes, or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to: Commander, US Army Tank-Automotive Command, ATTN: DRSTA-MB, Warren, MI 48090. A reply will be furnished to you.

*The time specified is the time required to perform all services at the particular interval.

| *TOTAL MAN-HOURS | | *TOTAL MAN-HOURS | |
|-------------------------|------------------|-------------------------|------------------|
| INTERVAL | MAN.HOURS | INTERVAL | MAN-HOURS |
| 10 | 0.5 | 250 | 0.5 |
| 50 | 2.0 | 1000 | 2.5 |

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LUBRICANT•INTERVAL

INTERVAL•LUBRICANT

Rotary Chute
Guide Rollers (0)

GAA 50

**50 OE/
HDO**

Rotary Chute
Drive Chain (0)
(Oil Can Point)
(See Note 2 and
Key)

Rotary Charging
Chute Trunnion
Rollers (0)

GAA 50

10 GAA

Rotary Charging
Chute Drive Chain
Idler (C)

Front Trunnion
Roller
Bearings (0)
(4 fittings)
(Sparingly)

GAA 50

50 GAA

Thrust Roller
Bearings (0)
(2 fittings
each roller)
(Sparingly)

Oil Pump Shaft
Bearing (0)
(Sparingly)

GAA 50

10 GAA

Drum Drive Idler
Sprocket (C)

Drive Chains (Oil
Can Point) (0)
(See Note 2 and
Key)

**OE/
HDO 50**

1000 GAA

Wheel
Bearings (0)
(Service)
(See Note 3)

Rear Trunnion
Roller
Bearings (0)
(4 fittings)
(Sparingly)

GAA 50

1000 GAA

Axle Pivot
Bearings (0)

Rear Jack
Legs (0)
(8 fittings)

GAA 250

1000 GAA

Wheel
Bearings (0)
(Service)
(See Note 3)

Burner Regulating
Valve (0)
(Sparingly)

250 GAA

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LUBRICANT•INTERVAL

INTERVAL•LUBRICANT

Charging Chute
Speed Reducer
Drive
Shaft (0)

Front Jack
Legs (0)
(8 fittings)

Main Gear Box
Drain Plug (0)
(Drain and refill)
(See Note 4)

Main Gear
Box Fill and
Level Plug (0)
(Check level)
(See Key and
Note 4)

Engine Drive
Shaft and
Universal
Joint (C)
(3 fittings)

Brake
Camshaft (0)
(8 fittings)

GAA 50

GAA 250

C/MR

GO 50

GAA 10

GAA 1000

50 GO

C/MR

**OE/
HDO**

10

1000 GAA

1000 GAA

Charging Chute
Speed Reducer
Fill and
Level (0)
(Check level)
(See Key)

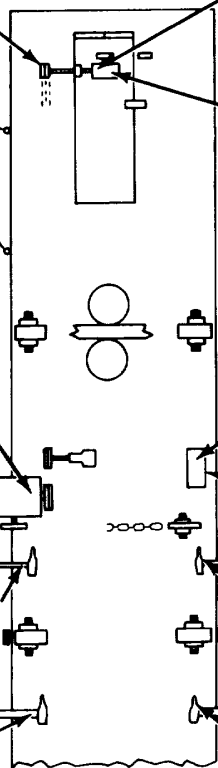
Charging Chute
Speed Reducer
Drain Plug (0)
(Drain and refill)
(See Note 5)

Drum Drive
Chain Oiler
Fill Plug (0)
(See Key and
Note 6)

Drum Drive
Chain Oiler
Sight Gage (C)
(Check level)
(See Note 6)

Front Slack
Adjusters (0)

Rear Slack
Adjusters (0)



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LUBRICANT•INTERVAL

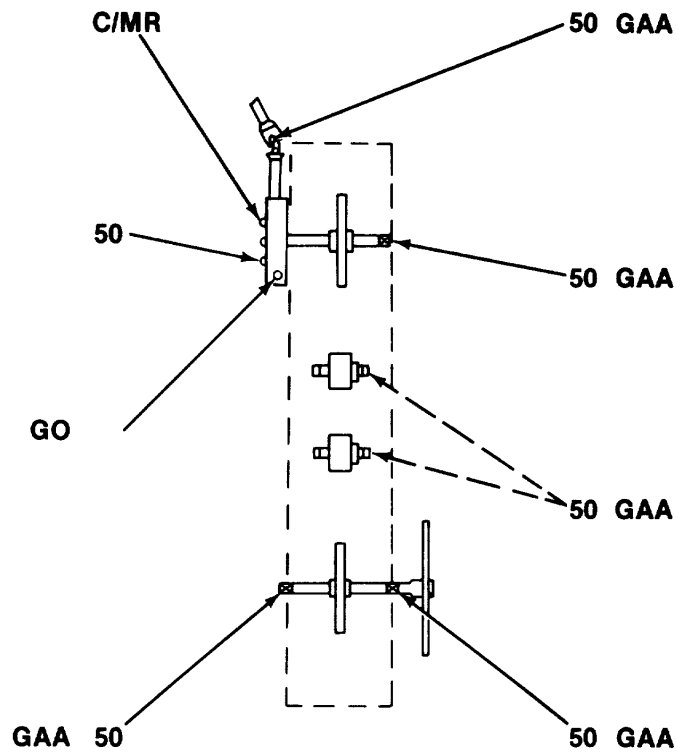
INTERVAL•LUBRICANT

Head Shaft Gear
Box Drain Plug (0)
(Drain and refill)
(See Note 7)

Head Shaft Gear
Box Level Plug (0)
(Check level)
(See Note 7)

Head Shaft Gear
Box Fill Plug (0)
(See Note 7 and
Key)

Foot Shaft
Bearing (0)



Slip Shaft and
Universal Joint (0)
[3 fittings)

Head Shaft
Bearing (0)

Bucket Line
Idlers (0)

Foot Shaft
Bearing (0)

ELEVATOR

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-KEY-

| LUBRICANTS | CAPACITY | EXPECTED TEMPERATURES | | | INTERVALS |
|---|---|-----------------------------|----------------------------------|-------------------------------|---|
| | | Above +15°F (Above -9°C) | +40° to -15° F (+4° to -26°C) | +40° to-65°F (+40to -54°C) | |
| OEI - Lubricating HDO Oil, Internal Combustion Engine, Tac- tical Service OEA - Lubricating Oil, Internal Combustion, Arctic - Oil Can Points (See Note 2) - Drum Drive Chain Oiler | 4 qts. (3.8 L) | OEIHDO 30 | OEIHDO 10 | OEA (See Note 1) | CIMR - Condition Monitor Intervals given are in hours of normal operation. |
| GO - Lubricating Oil, Gear, Multipurpose - Main Gear Box - Charging Chute Speed Reducer - Head Shaft Gear Box | 30 qts. (28.4 L) 2 qts. (1.9 L) 2 qts. (1.9 L) | GO 80W/90 | GO 80W/90 | GO 75W | |
| GAA - Grease, Auto- motive and Artillery | | ALL TEMPERATURES | | | |

*See Note 8 for lubricant specification number.

For Arctic operation refer to FM 9-207

NOTES:

1. FOR OPERATION OF EQUIPMENT IN PROTRACTED COLD TEMPERATURES BELOW -150F (-260C). Remove lubricants prescribed in Key for temperatures above -150F (-260C). Relubricate with lubricants specified in Key for temperatures below -150F (-260C). If OEA lubricant is required to meet the temperature ranges prescribed in the Key, OEA lubricant is to be used in place of OEIHDO-10 lubricant for all temperature ranges where OEIHDO-10 is specified in the Key.

2. OIL CAN POINTS. Each 50 hours lubricate control linkage, pins and devises, drive chains and all exposed adjusting threads with OEIHDO.

3. WHEEL BEARINGS. Each 1000 hours remove wheels, clean and inspect all parts, replace worn or damaged parts, repack bearings and assemble:

4. MAIN GEAR BOX. Each 50 hours check level. Maintain level with GO to bot-

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NOTES -CONTINUED:

tom of level plug. Change gear lubricant only when required by maintenance repair action, or contamination by water or other foreign material. After refill, operate for 5 minutes, check for leaks and bring oil to "FULL" mark.

5. CHARGING CHUTE SPEED REDUCER.

Each 50 hours check level. Change gear lubricant only when required by maintenance repair action, or contamination by water or other foreign material.

After refill, operate for 5 minutes, check for leaks and bring oil to "FULL" mark.

6. DRUM DRIVE CHAIN OILER. Each 10 hours check level. Adjust oiler to drip 2 drops of oil per minute. Each 50 hours flush drive chain with 4 quarts (3.8 L) of OE/HDO. Rotate dryer for ten minutes after flushing.

7. HEAD SHAFT GEAR BOX. Each 50 hours check level. Maintain level to bottom of level plug. Change gear lubricant only when required by maintenance repair action, or when contaminated by water or other foreign material. After refill, operate for 5 minutes, check for leaks and bring oil to "FULL" mark.

8. LUBRICANTS. The following is a list of lubricants with military symbols and applicable specification numbers.

| | |
|---------------|-------------|
| OE/HDO | MIL-L-2104 |
| GO | MIL-L-2105 |
| GAA | MIL-G-10924 |
| OEA | MIL-L-46167 |
| (SD), Type II | P-D-680 |

Copy of this Lubrication Order will remain with the equipment at all times, instructions contained herein are mandatory.

By order of the Secretary of the Army:

JOHN A. WICKHAM, JR.
General, United States Army
Chief of Staff

OFFICIAL:

ROBERT M. JOYCE
Major General, United States Army
The Adjutant General

DISTRIBUTION:

To be distributed in accordance with DA Form 12-25B, Operator and Organizational maintenance requirements for , Aggregate Dryers.

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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 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

