11 JULY 1984

(Supersedes LO 5-4310-338-12-1, and -2, 2 APRIL 1973)

COMPRESSOR, ROTARY; AIR, DIESEL ENGINE DRIVEN, TRAILER MTD, 4-WHEEL, PNEUMATIC TIRED; 600 CFM, 100 PSI (DAVEY MODEL IM600RPV) (NSN 4310-00-136-4369)

Reference: TM 5-4310-338-15 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.

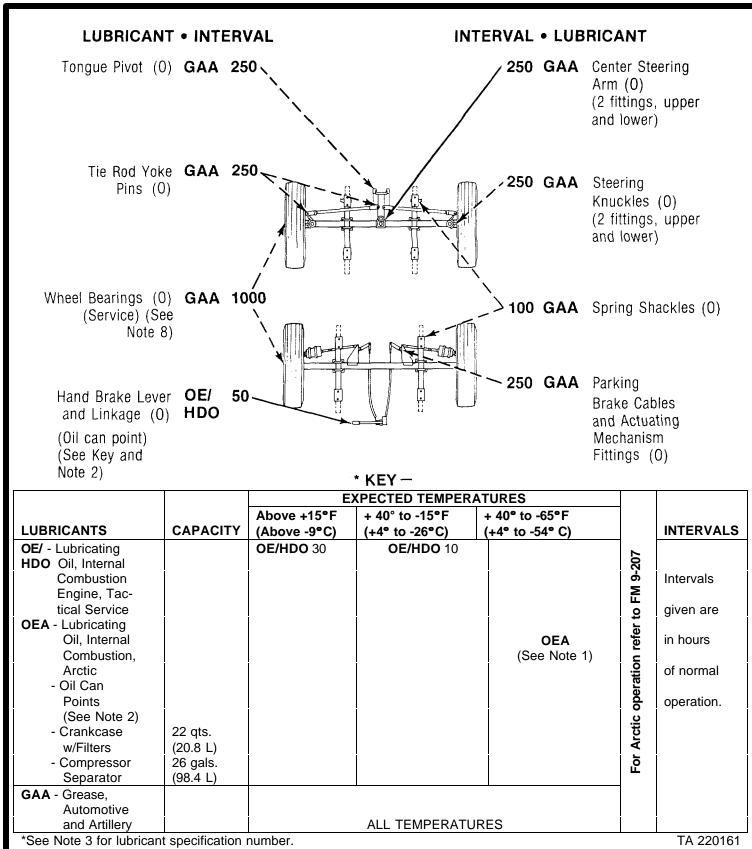
You can help improve this manual. If you find any mistakes, or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to: Commander, US Army Tank-Automotive Command, ATTN: DRSTA-MB, Warren, MI 48090. 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	0.1	500	0.6
50	0.4	1000	2.0
100	0.7	4000	3.6
250	0.5		

TA 219610

LUBRICANT • INTERVAL INTERVAL • LUBRICANT Water Pump 250 GAA Fan Drive Pulley (0) (Sealed bearings, Generator (Sealed no lubrication required) bearings, no lubrication required) Crankcase Oil 10 500 Level Gage (C) Crankcase (Check level) Breather (0) (Remove, clean and Caution: When OEA oil is used, the reinstall) level will be checked 100 Crankcase Drain more often. Plug (0) (See Note 3) (Drain and refill) (See Note 4) Engine Oil 100 Filters (0) Starting Motor (Replace elements) (Sealed bearings, no (See Note 5) **lubrication** required) 100 GAA Speed Control Crankcase Oil OE/ Linkage (0) Fill Cap (0) HDO (Sparingly) (See Key) 500 Oil Separator Drain Compressor Oil 100 Plug (0) Filter (0) (Drain and refill) (Clean element) (See Note 6) (See Note 6) 4000 Oil Separator (0) (See Note 7) Engine Air Cleaner Warning: Remove (Dry type, no lubriand destroy cation required) separator element Compressor Air each 4000 hours. Cleaner (Dry type, OE/ Oil Separator no lubrication HDO Fill Plug (0) required) (See Key) 100 GAA Oil Separator Sight Air Service Level Gage (C) Valves (0) (Check level) (Sparingly) TA 220089



NOTES:

- 1. FOR OPERATION OF EQUIPMENT IN PROTRACTED COLD TEMPERATURES BELOW -15°F (-26°C). Remove lubricants prescribed in Key for temperatures above -15°F (-26°C). Relubricate with lubricants specified in Key for temperatures below -15°F (-26°C). If OEA lubricant is required to meet the temperature ranges prescribed in the Key, OEA lubricant is to be used in place of OE/HDO-10 lubricant for all temperature ranges where OE/HDO-10 is specified in the Key.
- 2. OIL CAN POINTS. Each 50 hours, lubricate control linkage, pins, springs, safety chains, doors and hinges, latches, and all exposed adjusting threads with OE/HDO.
- 3. ENGINE OIL LEVEL HOT OR COLD CHECK. Oil level should be between high and low marks on dipstick (allow to set 5 minutes before checking).
- 4. ENGINE. Oil is to be changed each 100 hours. Drain when lubricant is warm.
- 5. ENGINE OIL FILTER. Each 100 hours, remove filter element, clean housing and install new filter element. After installing new filter element, fill crankcase, operate engine for 5 minutes, check housing for leaks, check crankcase oil level and bring between high and low marks on dipstick.
- 6. COMPRESSOR OIL FILTER. Each 100 hours, remove filter element, clean housing and filter element. Reassemble oil filter, operate compressor for 5 minutes, check for leaks, check separator oil level and bring to "FULL" mark.

WARNING

Before servicing compressor oil system, open service valve to atmosphere to relieve all pressure in the system.

7. OIL SEPARATOR ELEMENT. Each 4000 hours, replace the oil separator element.

WARNING

Do not attempt to clean the element or re-use the element because of its clean appearance. Metal salts are deposited on the element as the oil is separated from the air. Pollution of metal salts on the element will lower the flash point and can cause a fire in the separator. Destroy used element to prevent accidental re-use.

- 8. WHEEL BEARINGS. Each 1000 hours, remove wheels, clean and inspect all parts, replace worn or damaged parts, repack bearings, and assemble.
- 9. LUBRICANTS. The following is a list of lubricants with military symbols and applicable specification numbers.

 OE/HDO
 MIL-L-2104

 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 12-25A Operator and Organizational maintenance requirements for Rotary Air Compressors.

TA 220163

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