

LUBRICATION ORDER

21 March 1984

(Supersedes LO 5-3895-259-20, 2 SEPTEMBER 1965)

**DRIER-MIXER, BITUMINOUS-CONCRETE
MATERIALS, WHEEL MOUNTED; GASOLINE
ENGINE DRIVEN; 2 WHEELS, PNEUMATIC
TIRES, 3 TO 10-TON PER HR (WYLIE
MODEL PM-415-MIL) (NSN 3895-00-755-4761)**

Reference: TM 5-3895-259-12 and FEDERAL SUPPLY CATALOG C9100-IL.

Hard time intervals and the related manhour 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.

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).

WARNING

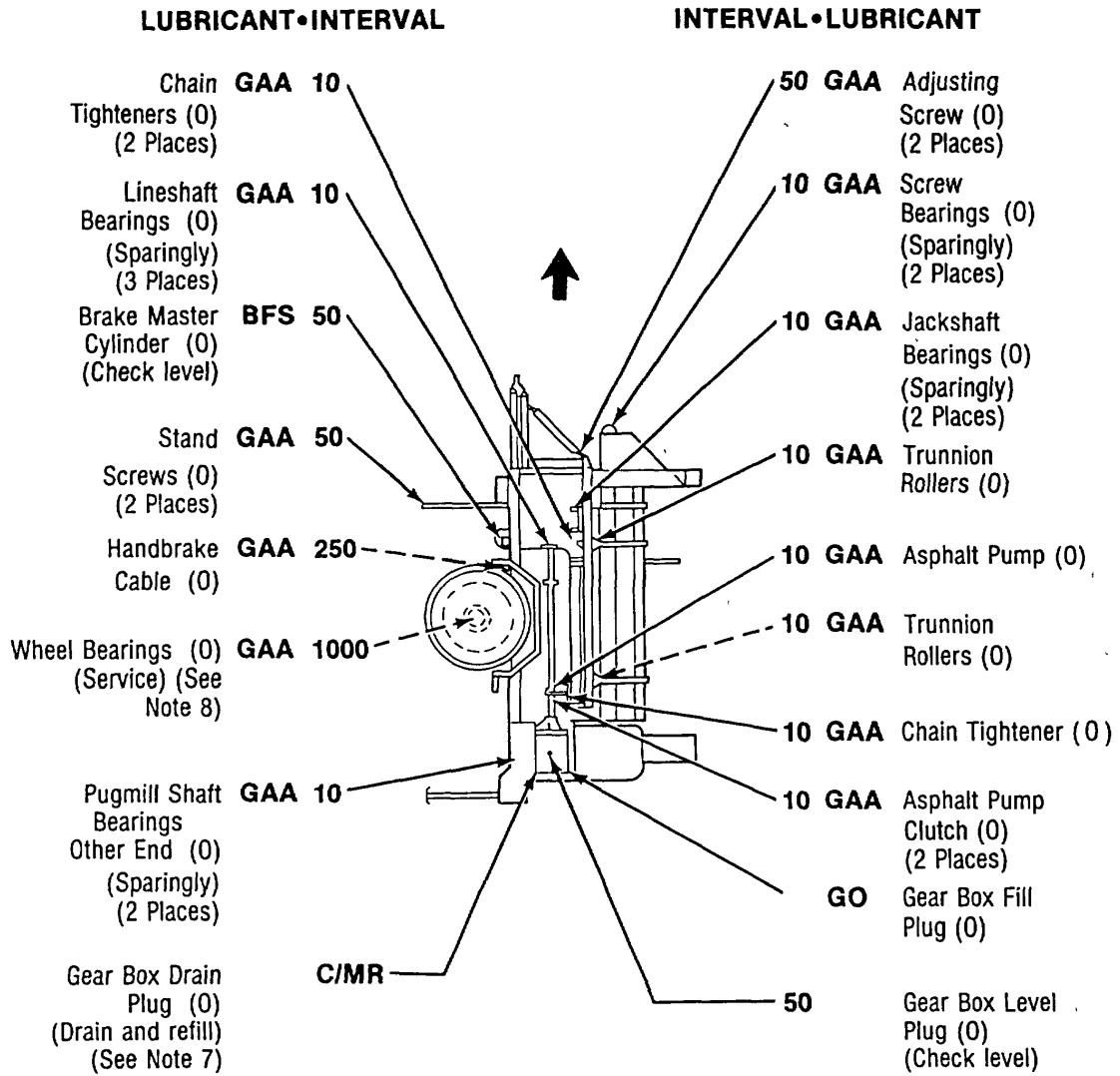
Dry cleaning fluid is flammable. Do not use near a flame or excessive heat. Use only with adequate ventilation. Avoid prolonged breathing of vapors and minimize skin contact.

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.

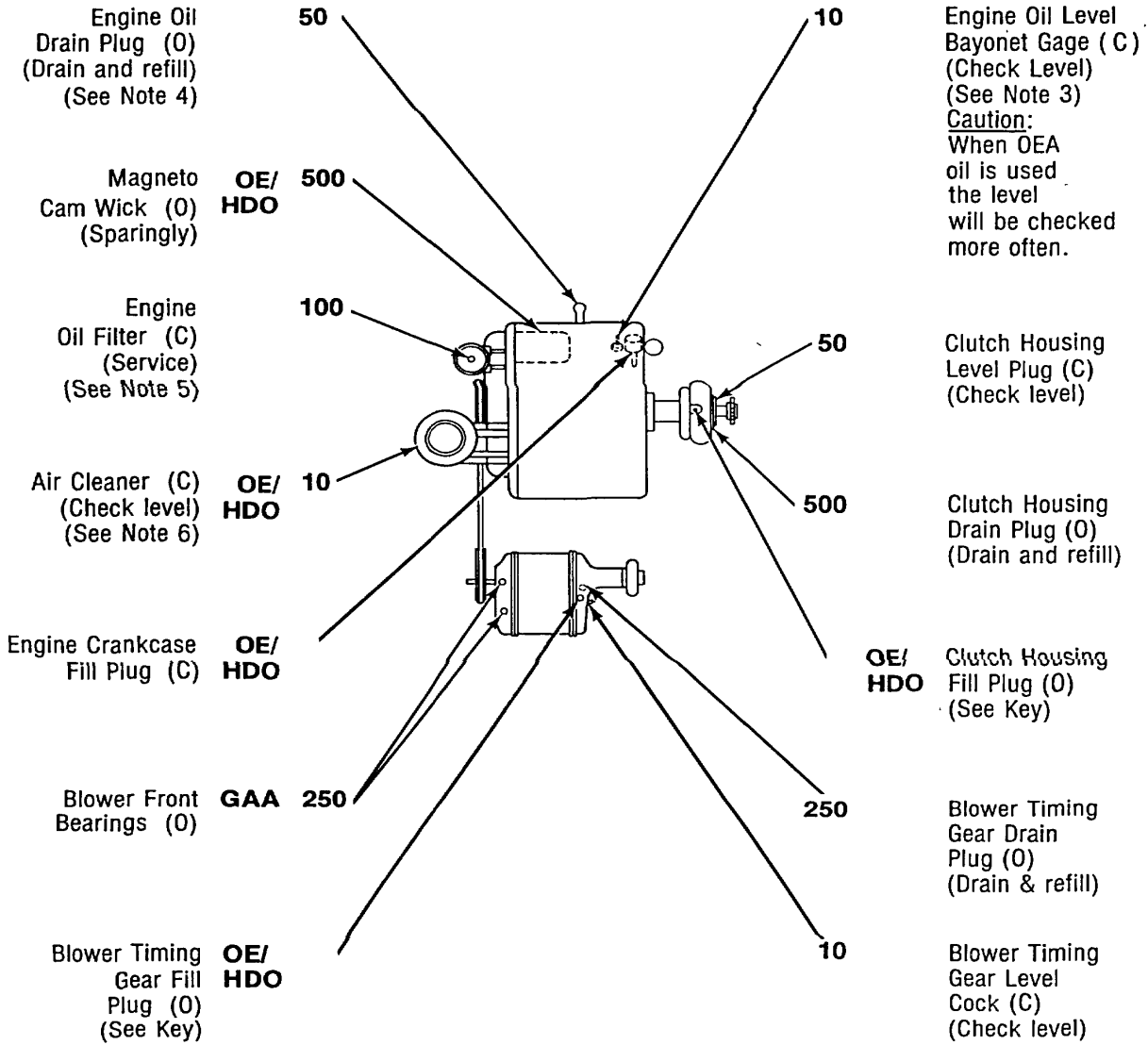
*TOTAL MAN-HOURS		*TOTAL MAN-HOURS	
INTERVAL	MAN-HOURS	INTERVAL	MAN-HOURS
10	1.3	250	0.5
50	1.0	1000	2.0
100	0.5		



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LUBRICANT • INTERVAL

INTERVAL • LUBRICANT



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***-KEY-**

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES			INTERVALS	
		Above +15°F (Above -9°)	+ 40°F to -15° F (+ 4° to -26°)	+40°F to -65°F (+4° to -54°)		
OE/HDO - Lubricating Oil, Internal Combustion Engine, Tactical Service OEA - Lubricating Oil, Internal Combustion, Arctic - Oil Can Points (See Note 2) - Crankcase - Clutch Housing - Blower Timing Gears - Air Cleaner	5 qts. (4.73 L) 1 3/4 qts (1.66 L) 3/8 qts. (0.36 L) 1 qt. (0.946 L)	OE/HDO 30	OE/HDO 10	OEA (See Note 1)	C/MR - Condition Monitor Intervals given are in hours of normal operation.	
GO - Lubricating Oil, Gear Multipurpose - Transfer Drive Gear Box	4 qts. (3.78 L)	GO 80W/90	GO 80W/90			GO 75W
BFS - Brake Fluid, Silicone, Automotive - Master Cylinder	3/4 qt. (0.71 L)	ALL TEMPERATURES				
GAA - Grease, Automotive and Artillery		ALL TEMPERATURES				

For Arctic operation refer to FM 9-207

*See Note 9 for lubricant specification number.

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, OE/HDO-10 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

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NOTES - CONTINUED:

clean and coat the governor and throttle linkage, door hinges and latches, handbrake lever, linkage, batching hopper gates bearings and linkage to metering valve, and drive chains, with OE/HDO.

3. ENGINE OIL LEVEL HOT OR COLD CHECK. Cold engine, oil level should be at high mark on dipstick. Hot engine, oil level must be between high and low marks on dipstick (allow to set 5 minutes before checking).

4. ENGINE. Oil is to be changed each 50 hours. Drain when lubricant is warm.

5. ENGINE OIL FILTER. Filter is to be replaced each second oil change. Remove filter element, clean housing and install new filter element. After replacement, fill crankcase, operate engine 5 minutes, check for leaks, check crankcase oil level and bring to full mark. Install new filter element each 100 hours.

6. AIR CLEANER. Refill oil reservoir to level mark. Each 50 hours disassemble entire unit, clean, reoil and reassemble.

7. GEAR BOX. Check level each 50 hours. Change gear lubricant only when required by maintenance repair action, contamination by water, or other foreign material. After refill, operate for 5 minutes, check for leaks.

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

9. 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
BFS	MIL-B-46176
(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 Drier-Mixer.

TA 990438

