

LUBRICATION ORDER

LO 5-4320-216-12

23 May 1978 (Supersedes LO 5-4320-216-15, 1 August 1961)

PUMP, CENTRIFUGAL: FRESH WATER; GASOLINE DRIVEN; BASE MOUNTED; 4 IN. 200 GPM, 300 FT HEAD (CARVER MODELS 4WHIS AND 4WHISA) W/MINNEAPOLIS-MOLINE ENGINE MODELS M 220A AND M 220B-4A

Reference: C9100-1L

Intervals and related task-hour times are based on normal hours of operation. The task-hour time specified is the time you need to do all the services prescribed for a particular interval. Change the interval if your lubricants are contaminated or if you are operating the equipment under adverse operating conditions, including longer-than-usual operating hours. You may extend the interval during periods of low activity, but you must take adequate preservation precautions.

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

Clean fittings before lubricating. Lubricate points indicated by dotted arrow shaft on both sides of equipment. Clean

parts with SOLVENT, dry cleaning, or with OIL, fuel, diesel. Dry before lubricating. Drain crankcase when HOT. Fill and check level. The lowest level of maintenance authorized to lubricate a point is indicated by one of the following: (C) Operator/crew; or (O) Organizational Maintenance.

You can help improve this publication. If you find any mistake or if you know of a way to improve the procedures, please let us know. Your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) should be mailed directly to: Commander, U. S. Army Troop Support & Aviation Materiel Readiness Command, ATTN: DRSTS-MTPS, 4300 Goodfellow Blvd. St. Louis, MO 63120. A reply will be furnished to you.

*TOTAL TASK-HR		*TOTAL TASK-HR	
INTERVAL	TASK-HR	INTERVAL	TASK-HR
10	0.5	100	0.4
50	0.2	500	0.1

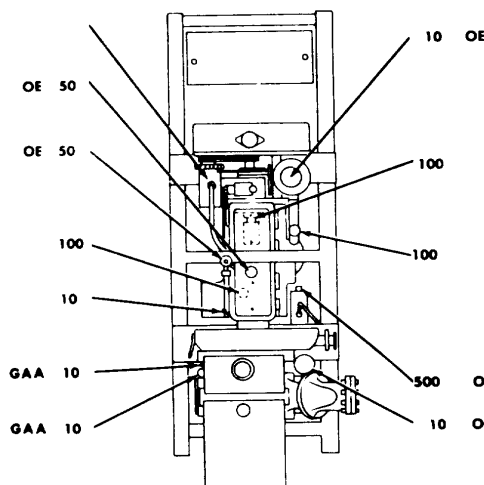
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LUBRICANT • INTERVAL

INTERVAL • LUBRICANT

- Generator (Sealed bearings) DO NOT LUBRICATE
- Crankcase Oil Fill and (O) Breather Cap (See Key) (Clean and reoil)
- Crankcase Oil Fill and (O) Breather Cap (See Key) (Clean and reoil) (Model 4 WHISA only)
- Crankcase Oil Drain Plug (O) (Drain and refill)
- Crankcase Oil Level (C) Bayonet Gage (Check level)
- Pump Shaft Bearing (O) (Sparingly)
- Pump Seal Grease Cup (Turn down 1 turn) (Refill when wing nut reaches (O) cap) (See note 3)



- Air Cleaner (Refill oil reservoir to level mark; every 50 hours disassemble entire unit, clean, reoil and reassemble) (See Key) (O)
- Oil Filter (Disassemble, clean housing, renew element and reassemble) (See note 2) (O)
- Oil Filter (Disassemble, clean housing, renew element and reassemble) (See Note 2) (Model 4 WHISA only) (O)
- Starter (Sparingly) (O)
- Air Cleaner (Refill oil reservoir to level mark; every 50 hours disassemble entire unit, clean, reoil and reassemble) (See Key) (Model 4 WHISA only) (O)