

# LUBRICATION INSTRUCTION

1 July 1987

**MARINE CORPS LI 05926B/06509B-12/5  
ARMY LO 5-6115-615-12  
NAVY P-8-646-LO**

*GENERATOR SET, DIESEL ENGINE DRIVEN,  
TACTICAL SKID MOUNTED, 3 KW*

<u>DOD MODEL</u>	<u>CLASS</u>	<u>MODE</u>	<u>NSN</u>
MEP-016B	UTILITY	50/60 HZ	6115-01-150-4140
MEP-021B	UTILITY	400 HZ	6115-01-151-8126
MEP-026B	UTILITY	28 VDC	6115-01-150-0367

**Intervals (on condition or hard time) 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.

**On-condition (OC) oil sample intervals** shall be applied unless changed by the Army Oil Analysis Program (AOAP) laboratory. 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. Hard time intervals will be applied in the event AOAP laboratory support is not available.

**Clean areas to be lubricated.** Clean parts with dry cleaning solvent (SD), type II or equivalent. Dry before lubricating. Dotted arrow points indicate lubrication on both sides of the equipment.

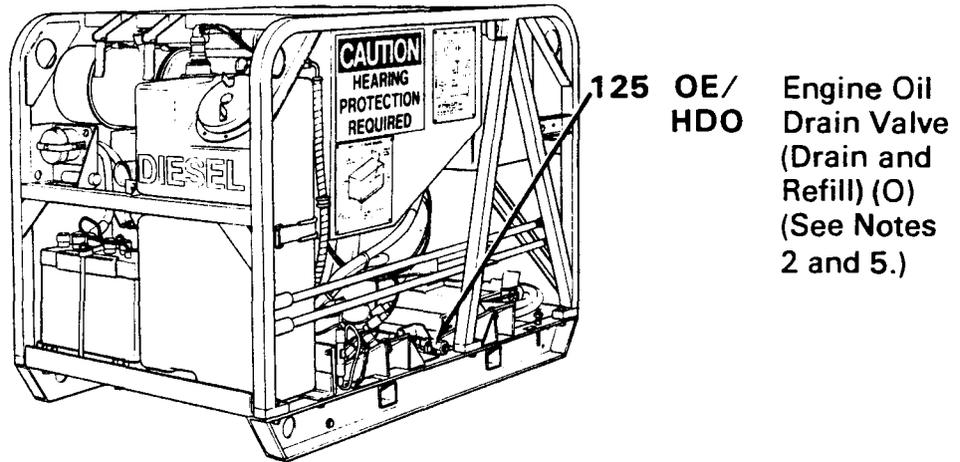
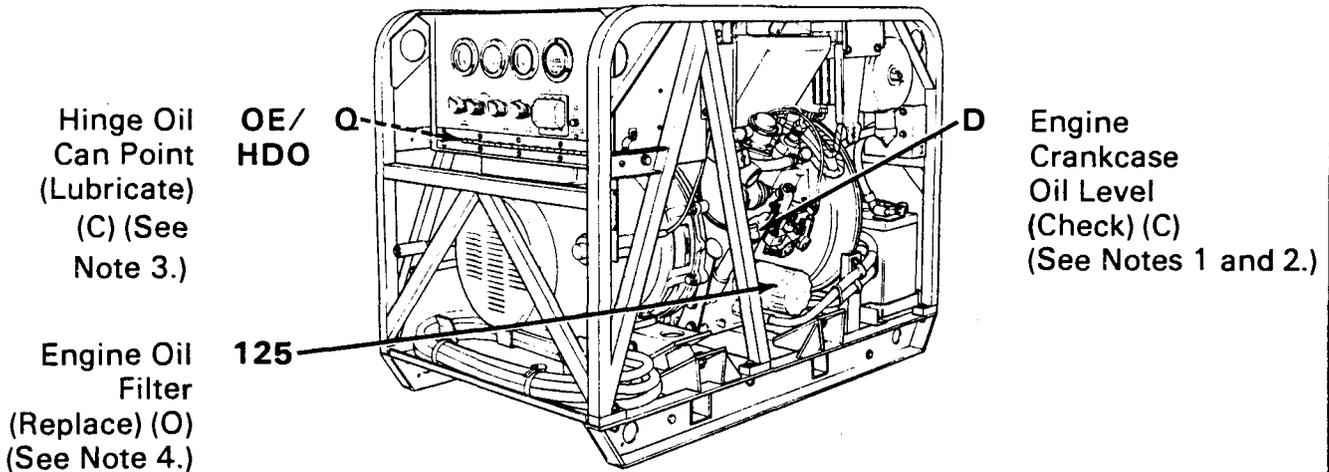
**Level of maintenance.** The lowest level of maintenance authorized to lubricate a point is indicated by one of the following symbols as appropriate: Operator/Crew (C); and Organizational Maintenance (O).

**Reporting errors and recommending improvements.** Army users; submit DA Form 2028 (Recommended Changes to Publications and Blank forms) direct to: Commander U.S. Army TROSCOM Attention: AMSTR-MCTS 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. For Marine Corps users, submit NAVMAC 10772 directly to: Commanding General Marine Corps Logistics Base (Code 850), Albany, GA 31704-5000. A reply will be furnished to you.

TOTAL MAN-HOURS		TOTAL MAN-HOURS	
INTERVAL	MAN-HOURS	INTERVAL	MAN-HOURS
D	0.2	125	0.5
Q	0.1		

**LUBRICANT • INTERVAL**

**INTERVAL • LUBRICANT**



LUBRICANTS	CAPACITIES	EXPECTED TEMPERATURES			INTERVALS
		Above +32°F (Above 0°C)	+40°F to -10°F (+5°C to -23°C)	0°F to -65°F (-18°C to -50°C)	
OE/HDO (MIL-L-2104C) OIL, ENGINE, LUBRICATING	3 qts (2.8 L)				125 hours
Engine Crankcase w/filter		OE/HDO 30 (See Note 6.)	OE/HDO 10 (See Note 7.)	OEA/APG-PD-1	
Oil Can Points					

For Arctic operation refer to FM9-207

## NOTES:

**WARNING**

Do not remove oil filler cap when engine is running. Hot oil can splash up and cause burns.

1. **ENGINE CRANKCASE OIL LEVEL.** Start engine and allow to run until normal operating temperature is achieved (about 5 minutes). Check for leaks. Stop the unit and allow to sit for one minute. Remove the access panel on the left side of the unit. Remove filler cover/dipstick and wipe with a clean, dry cloth. Insert dipstick and immediately remove. Oil level should be between marks on dipstick. Add or drain oil as needed and recheck oil level.

2. **ENGINE CRANKCASE OIL.** If a sample of engine crankcase oil is to be sent to an AOAP laboratory for analysis, refer to TB 43-0210 for complete sampling requirements.

3. **OIL CAN POINTS.** Clean and lightly coat hinge, fasteners, control cable and all exposed adjusting threads. DO NOT lubricate governor linkages.

4. **ENGINE OIL FILTER.** Drain engine oil (Note 5). Remove filter by turning counter-clockwise and clean base with a clean, dry cloth. Apply a thick film of clean engine oil to new filter gasket. Install new filter until gasket contacts base, then turn an additional 3/4 turn clockwise. Add engine oil and check level (Note 1).

5. **ENGINE OIL DRAIN VALVE.** Start engine and allow to run until normal operating temperature is achieved (about 5 minutes).

Stop the unit and open drain valve. Allow all oil to drain into a suitable container. Change oil filter (Note 4). Refill crankcase and check oil level (Note 1).

6. Grade 15W/40 (OE/HDO 15/40) may be used when expected temperatures are above +5°F (-15°C).

7. If OEA lubricant is required to meet the low "expected temperature" range, OEA lubricant is to be used in place of OE/HDO-10 lubricant for all expected temperature ranges where OE/HDO-10 is specified in the key.

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

By Order of the Secretaries of the Army,  
Navy and Air Force:

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