

LUBRICATION ORDER

LO-07464A-12

LO 5-6115-457-12

20 JANUARY 1988

(Supersedes LO5-6115-457-12, 21 November 1986)

GENERATOR SET, DIESEL ENGINE DRIVEN SKID MTD., 100 KW, 3 PHASE, 4 WIRE, 120/208 AND 240/416 VOLTS

<u>DOD MODEL</u>	<u>CLASS</u>	<u>HERTZ</u>	<u>NSN</u>
MEP007A	UTILITY	50/60	6115-00-1 33-9101
MEP106A	PRECISE	50/60	6115-00-1 33-9102
MEP11A	PRECISE	400	6 115-00-1 33-9 103

Reference: TM5 6115-457-12 and C9100-IL

Approved for public release. Distribution is unlimited.

Hard time intervals and the related task-hour times are based on normal 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 and operating hours. The interval may be extended during periods of low activity. If extended, adequate preservation precautions must be taken.

On-condition (OC) intervals for oil changes shall be determined by the Army Oil Analysis Program (AOAP) laboratory and shall be applied unless otherwise notified.

Hard time oil change intervals will be applied in the event AOAP laboratory support is not available.

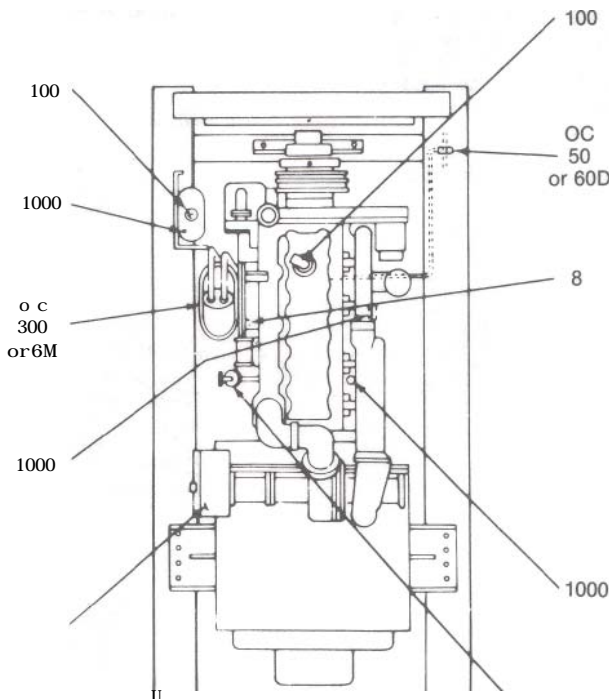
Clean fittings before lubricating. Lubricate points indicated by dotted arrow shaft on both sides of equipment. Clean parts with drycleaning SOLVENT (SD), type II or equivalent. Dry before lubricating. Drain crankcase when HOT. Fill and check level. The lowest level of maintenance authorized to lubricate 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 mistakes 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, US Army Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow Blvd, St. Louis, MO 63120-1798. A reply will be furnished to you.

LUBRICANT 0 INTERVAL

INTERVAL 0 LUBRICANT

- Hydraulic Oil Tank OHA 100
- Fill and Level Gage (C) (Check level) See note 4
- Hydraulic Oil Tank Drain Plug (C) (Drain and fill) (See note 4)
- Engine Oil Filters (O) AOAP analysis (Disassemble, clean and replace element) (See notes 3, 5, and 6)
- Hydraulic Oil Filter (O) (Disassemble, clean and replace element) (See note 4)
- Engine Air Cleaner (Dry type) (No lubrication required)



- Crankcase Breather (O) (Remove, clean, and install)
- Crankcase Drain Plug (O) On-condition AOAP analysis (Drain and fill) (See notes 5 and 6)
- Crankcase Oil Level Gage (C) (Check level.) CAUTION: When OEA oil is used, check level more often. NOTE: Oil level may be checked with engine running.
- Governor Actuator Strainer (O) (Remove clean, and install) (See note 4)

OE/ Crankcase Oil Fill
HDO Cap (C) (See key)

The time specified is the time required to perform all services at the particular interval (On-condition or hard time).

*TOTAL TASK-HR		*TOTAL TASK-HR	
INTERVAL	TASK-HR	INTERVAL	TASK-HR
8	0.1	50H or 60D	0.6
100	0.6	1000	1.0

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES			INTERVALS
		ABOVE +32 F (ABOVE 0 C)	+40 P TO -10 F (+5 C TO -23 C)	0°F TO -65-F (-18 C TO -50° C)	
OE/HDO (MIL-L-2104D) LUBRICATING OIL, Engine					Intervals given are in hours of normal operation
Engine Crankcase with Filters	29 qts (27.5L)	OE/HDO 15-40 OR OE/HDO 30	OE/HDO 15-40 OR OE/HDO 10	OE A	
Oil Can points					
(MIL-H-46167) LUBRICATING OIL, Engine, Subzero					
OHA (MIL-H-56068) HYDRAULIC FLUID Hydraulic Tank, Filters and Lines	8 qts (7.6L)		OHA		

For arctic operation refer to FM 9-207

NOTES:

1. FOR OPERATION OF EQUIPMENT IN PROTRACTED COLD TEMPERATURES BELOW -10°F (-23° C). Remove lubricants prescribed in the key for temperatures above -10°F (-23° C). Clean parts with drycleaning SOLVENT (SD), type II or equivalent. Lubricate with lubricants specified in the key for temperatures 0°F to -65°F.

2. OIL CAN POINTS. Every 100 hours lubricate hinges, latches, control linkages, and all exposed adjusting threads with OE-HDO.

3. ENGINE OIL FILTER. Every 300 hours remove filter element, clean housing, install new element, fill crankcase, operate engine for 5 minutes, check for leaks, check crankcase oil level, and bring to FULL mark. Oil filter replacement interval shall align with on-condition AOAP or hard time oil change requirements. See notes 5 and 6.

4. SET DIFFERENCES. Used on precise generator sets only.

5. CRANKCASE OIL. A sample of the oil shall be sent to an AOAP laboratory for analysis at an interval of 50 hours or 60 days. Refer to TB 43-0210 for sampling requirements.

6. When AOAP laboratory support is not available, drain and refill crankcase oil at 300 hours or 6 months.

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:

CARL E. VUONO
General, United States Army
Chief of Staff

official:

R. L. DILWORTH
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION:

To be distributed in accordance with DA Form 12-25A, Operator and Unit Maintenance requirements for Generator Set, Diesel Driven, Tactical, 120/208V, 240/216V, 50/60HZ, 3 PH, 4 Wire (100KW: MEP-007A, MEP-106A; 400KW: MEP-116A).

U.S. GOVERNMENT PRINTING OFFICE 1988-201-419/80315