

**LUBRICATION ORDER  
LO-07536A-12**

(Supersedes LO 5-6115-458-12, 17 November 1986)

20 JANUARY 1988

**GENERATOR SET, DIESEL ENGINE DRIVEN, SKID MTD., 200 KW,  
3 PHASE, 4 WIRE, 120/208/416 VOLTS**

| <u>DOD MODEL</u> | <u>CLASS</u> | <u>HERTZ</u> | <u>NSN</u>       |
|------------------|--------------|--------------|------------------|
| MEP009A          | UTILITY      | 50/60        | 6115-00-133-9104 |
| MEP108A          | PRECISE      | 50/60        | 6115-00-935-8729 |

**Reference: TM 5 6615-458-12 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.

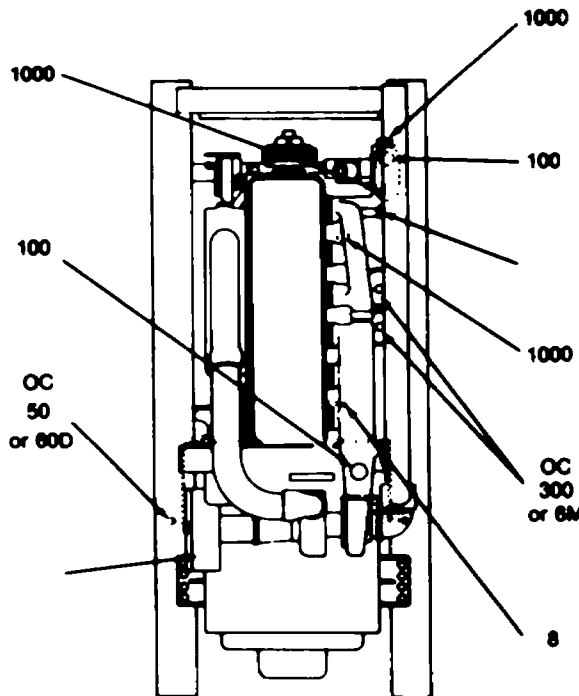
Hard time oil change intervals will be applied in the event AOAP laboratory support is not available.

Clean fittings before lubricating. Lubricate points indicated by dotted arrow shaft on both sides of equipment. Clean parts with dry-cleaning 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 - INTERVAL**

- Hydraulic Oil Tank Drain Plug (O) (Drain and Fill) (See note 5)
- Crankcase Breather (O) (Remove, clean, and install)
- Crankcase Oil Drain (O) on-condition AOAP analysis (Drain and Fill) (See note 6 & 7)
- Engine Air Cleaner (Dry Type) DO NOT LUBRICATE



**INTERVAL - LUBRICANT**

- 1000 Hydraulic Oil Filter (O) (Disassemble, clean, and replace element) (See note 5)
- 100 OMA Hydraulic Oil Tank Fill and Level Gage (C) (Check level) (See note 5)
- 100 OE/ Crankcase Oil Fill HDO Cap (C) (See key)
- 1000 Governor Actuator Strainer (O) (Remove, clean, and install) (See note 5)
- OC 300 or 6M Engine Oil Filters (O) AOAP Analysis (Disassemble, clean, and replace element) (See notes 4, 6 & 7)
- 8 Crankcase Oil Level Gage (C) (Check level) (See note 3) CAUTION: When DEA oil is used, check level more often.

\*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              | 1.2       | 1000             | 1.0       |

- KEY -

| LUBRICANTS   | CAPACITY       | EXPECTED TEMPERATURES        |                                       |                                      | INTERVALS  |
|--|----------------|------------------------------|---------------------------------------|--------------------------------------|--|
|  |                | ABOVE +32° F<br>(ABOVE 0° C) | +40° F TO -10° F<br>(+5° C TO -23° C) | 0° F TO -65° F<br>(-18° C TO -50° C) |  |
| <b>OE/HDO</b><br>(MIL-L-2104D)<br>LUBRICATING OIL,<br>Engine<br>Engine Crankcase<br>with Filters<br>Oil Can points | 48 qts (45.6L) | OE/HDO 30                    | OE/HDO 10                             | <b>OE A</b>                          | Intervals<br>given are<br>in hours of<br>normal<br>operation |
|  |                | OR                           | OR                                    |                                      |  |
|  |                | OE/HDO 15-40                 | OE/HDO 15-40                          |                                      |  |
| <b>OEA</b><br>(MIL-H-46167)<br>LUBRICATING OIL,<br>Engine, Subzero   |                |                              |                                       |                                      |  |
| <b>OHA</b><br>(MIL-H-5606B)<br>HYDRAULIC FLUID<br>Hydraulic Tank<br>Filters and Lines                              | 8 qts (7.6L)   | <b>ALL TEMPERATURES</b>      |                                       |                                      |  |

For arctic operation refer to FM 9-207

**NOTES:**

- FOR OPERATION OF EQUIPMENT IN PROTRACTED COLD TEMPERATURES BELOW -10°F (-23°).** Remove lubricants prescribed in the key for temperatures above -10°F (-23°C). Clean parts with dry-cleaning SOLVENT (SD), type II or equivalent. Lubricate with lubricants specified in the key for temperatures 0°F to -65°F.
- OIL CAN POINTS.** Every 100 hours lubricate hinges, latches, control linkages, and all exposed adjusting threads with OE-HDO.
- Crankcase oil level may be determined while engine is running.**
- ENGINE OIL FILTER.** Every 300 hours remove filter element, clean housing, install new element, fill crankcase, operate engine for 5 minutes, and check housing for leaks, Shut down engine, 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 6 and 7.
- SET DIFFERENCES.** Used on precise generator sets only.

**6. 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.

**7. 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, 120/208V, 240/416V, 200 KW, 3 PH, 4 Wire (MEP-009A, MEP-108A).

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