

**LUBRICATION ORDER**  
**LO 06858A/06858A-12**  
 28 September 1990

**LO 5-6115-465-12**

(Supersedes LO 5-6115-465-12, 20 January 1988)

**GENERATOR SET, DIESEL ENGINE DRIVEN, TACTICAL, SKID MTD,  
 30 KW, 3 PHASE, 4 WIRE, 120/206 AND 240/416 VOLTS**

| <u>DOD MODEL</u> | <u>CLASS</u>   | <u>HERTZ</u> | <u>NSN</u>              |
|------------------|----------------|--------------|-------------------------|
| <b>MEP-055A</b>  | <b>UTILITY</b> | <b>50/60</b> | <b>6115-00-118-1240</b> |
| <b>MEP-104A</b>  | <b>PRECISE</b> | <b>50/60</b> | <b>6115-00-118-1247</b> |
| <b>MEP-114A</b>  | <b>PRECISE</b> | <b>400</b>   | <b>6115-00-118-1248</b> |

Reference: TM 6115-465-12 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 operating hours. The interval may be extended during periods of low activity. If extended, adequate preservation precautions must be taken.

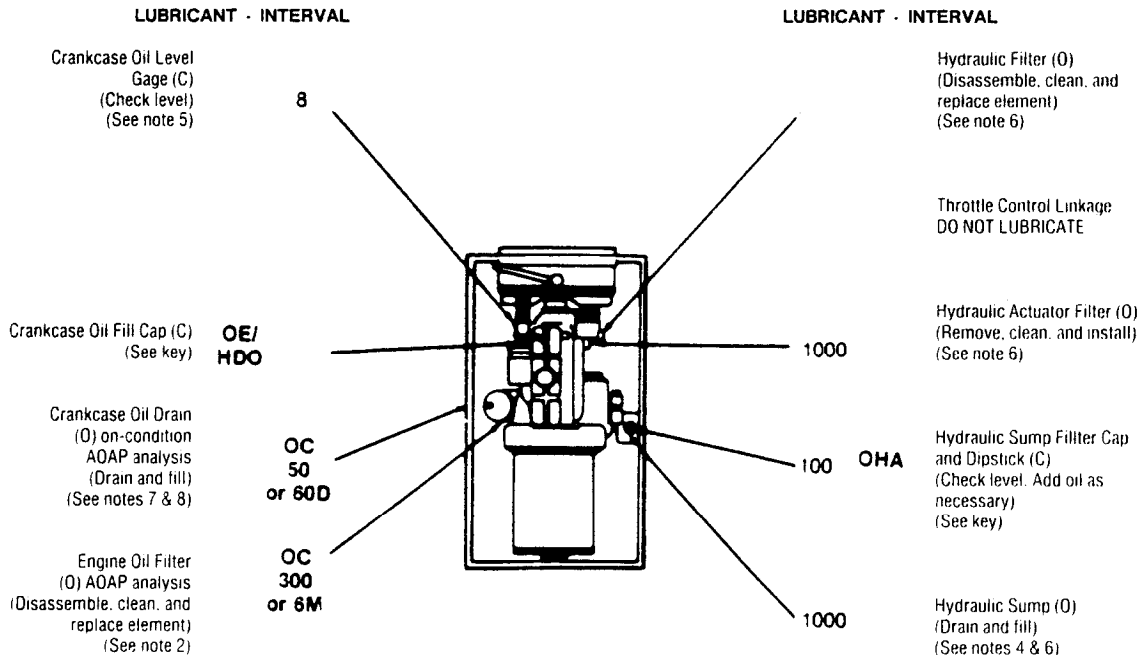
On-condition (OC) intervals for oil changes shall be determined by the Army Oil Analysis Program (AOAP) laboratory and shall be applied unless otherwise notified.

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

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

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 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, US Army Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow Blvd, St. Louis, MO 63120-1798. A reply will be furnished to you.



| * TOTAL TASK-HR |         | * TOTAL TASK-HR |         |
|-----------------|---------|-----------------|---------|
| INTERVAL        | TASK-HR | INTERVAL        | TASK-HR |
| 8               | 0.1     | 50H or 60D      | 0.6     |
| 100             | 0.1     | 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><br>Engine Crankcase<br>(Add one<br>additional quart<br>for filter)<br><br>Oil Can Points | 8 qts (7.6L) | OE/HDO 30<br>OR<br>OE/HDO 15-40 | OE/HDO 10<br>OR<br>OE/HDO 15-40           | OEA                                     | For arctic operation<br>refer to FM 9-207<br><br>Intervals<br>given are<br>in hours of<br>normal<br>operation |
| <b>OEA</b><br>(MIL-H-46167)<br>Oil, Engine,<br>Subzero  |              |                                 |   |   |   |
| <b>OHA</b><br>(MIL-H-5606B)<br>HYDRAULIC FLUID<br>Hydraulic Sump,   | 4 qts (3.8L) | <b>OHA</b>                      |   |   |   |

**NOTES:**

- 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 below 0°F to -65°F.
- 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 7 and 8.
- OIL CAN POINTS.** Every 100 hours lubricate the hinges, latches, control linkages, and all exposed adjusting threads with OE/HDO.
- HYDRAULIC SUMP.** To drain, remove hydraulic lines from actuator and drain oil into a suitable container. Replace hydraulic line, fill tank, and check level.
- CRANKCASE.** Crankcase level may be checked with the engine in either a static or operating condition.

6. HYDRAULIC FILTER, HYDRAULIC ACTUATOR FILTER, AND HYDRAULIC SUMP. Precise sets only.

7. 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.

8. When AOAP laboratory support is not available, drain and re-fill crankcase oil and change the oil filter 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:  
WILLIAM J. MEEHAN, II  
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, Skid Mounted, 120/208V, 240/416V, 30KW, 3 PH, 4 Wire (50/60HZ: MEP-005A, MEP-104A; 400HZ: MEP-114A).

P I N : 020614/000