

# LO 5-6115-598-12

29 June 1989

(Supersedes LO 5-6115-598-12, 17 August 1987)

## GENERATOR SET, GAS TURBINE ENGINE DRIVEN; TACTICAL, SKID MOUNTED, 150 KW 400 HERTZ, ALTERNATING CURRENT

Reference TM 5-6115-598-12

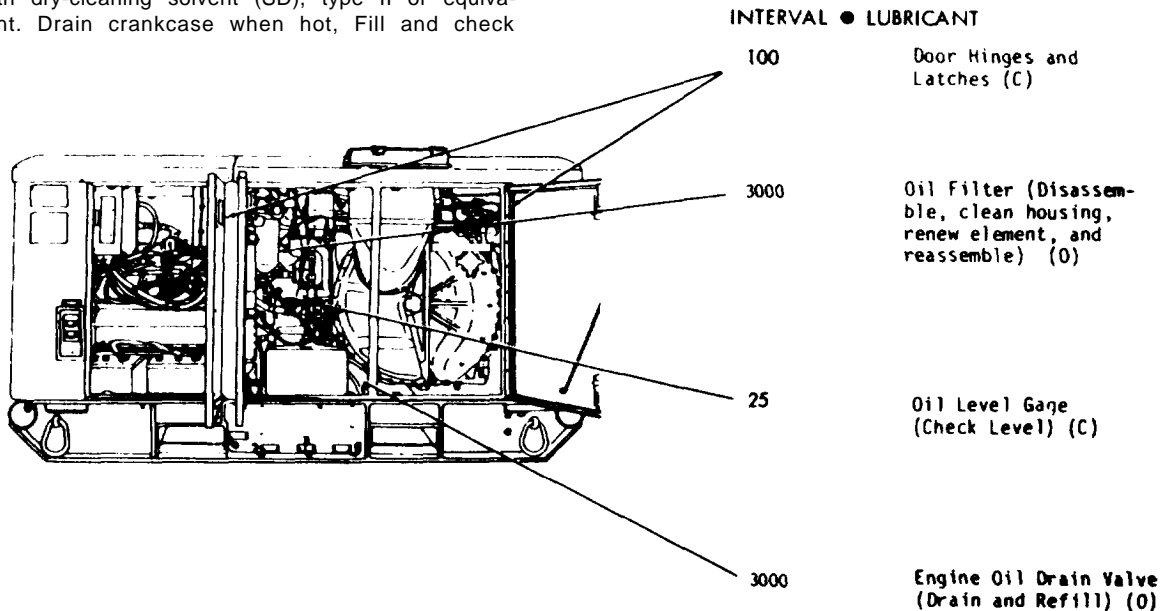
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Intervals (on-condition or hard time) and the related man-hour times are based on normal operation. The man-hour time specified is the time you need to do all the services prescribed for a particular interval. On-condition (OC) oil sample intervals 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.

Relubricate after washing or fording. Clean parts with dry-cleaning solvent (SD), type II or equivalent. 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.

Reporting errors and recommending improvements. You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to: Commander, U.S. Army Troop Support Command, ATTN: AMSTR-MCTS 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished to you.



TOTAL TASK HOURS	
INTERVAL	TASK HOURS
25	0.1
100	0.3
3000	0.5

-KEY-

**CAUTION**

Mixing lube oils MIL-L-23699 and MIL-L-7808 will damage the equipment. Always check the log book before adding oil to ensure that you add the same type of oil as is in the engine. If you switch from one type of oil to the other when changing the engine oil, flush the lubrication system by performing the actions in NOTE 5 below.

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURE		INTERVALS
		ABOVE -25°F (-32°C)	BELOW -25°F (-32°C)	
MIL-L-23699 Lubricating oil, aircraft and turboprop and turboshaft engines, synthetic base. or MIL-L-7808 Lubricating oil, aircraft turbine engine, synthetic base.	15 quarts (14 liters)	MIL-L-23699	MIL-L-7808	3000 hours

**NOTES:**

1. FOR OPERATION OF EQUIPMENT IN PROTRACTED COLD TEMPERATURES BELOW -25°F (-32°C). Relubricate with lubricant specified in the key for temperatures below -25°F (-32°C).

2. OIL CAN POINTS. Every 100 hours clean and lightly coat door hinges, latches, and all exposed adjusting threads with oil.

3. OIL FILTER. After installing new filter element, fill crankcase, operate engine 5 minutes and check for leaks. Stop engine; check crankcase oil level and bring to full mark.

Oil filter replacement shall align with oil change requirements.

4. ENGINE. Check oil level with engine in a static condition.

**NOTE**

Perform the actions in Note 5 only if you switched from **one** type of lube oil to another **when changing** the engine oil.

**5. FLUSHING THE LUBRICATION SYSTEM.**

After changing the oil and filters, operate engine or 30 minutes. Stop engine and change oil and filters.

6. LUBRICANTS. The following is a list of lubricants with the NATO CODES and applicable specification numbers.

NATO CODE 0-156	NATO CODE 0-148
MIL-L-23699	MIL-L-7808

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, Gas Turbine Engine Driven, Tactical Skid Mounted, 150 KW 400 Hertz, Alternating Current: