

LUBRICATION ORDER

L05-6115-590-12

19 DECEMBER 1986

(Supersedes LO-5-6115-590-12, 10 August 1981)

POWER PLANT UTILITY, GAS TURBINE ENGINE DRIVEN (AMERTECH CORP. MODEL APP-1)

Reference: TM5-6115-590-12, C9100-IL

Intervals (on-condition or hard time) and the related task-hour times are based on normal operation. 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

On-condition (OC) oil sample intervals shall be applied unless changed by the Army Oil Analysis Program (AOAP) laboratory. Hard time 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 Clean parts with drycleaning SOLVENT (SO), Type AI or equivalent. Dry before lubricating. Drain oil tank when hot.

The lowest level of maintenance authorized to lubricate a point is indicated by one of the following (C) Operator/Crew, or (O) Organizational Maintenance.

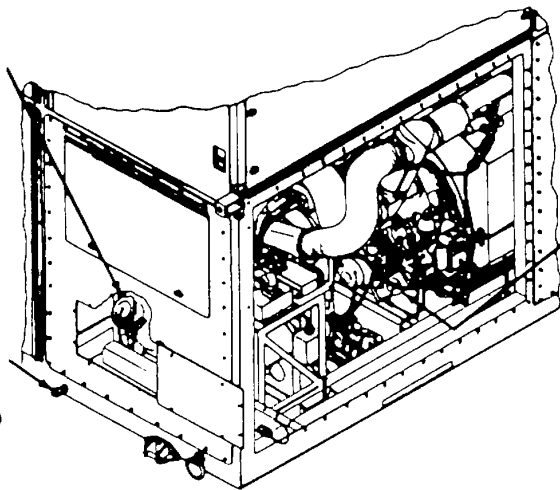
You can help improve this lubrication order. If you find any mistakes or if you know of a way to improve procedures, please let us know Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to Commander, US Army Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow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

LUBRICANT - INTERVAL

INTERVAL - LUBRICANT

Oil Tank Fill Cap and Dipstick (C) LGT 50
(Check oil level and replenish as required)
(See notes 1 thru 3)

Oil Drain (O) LGT OC 50 or 60D
(Remove cap, drain and refill) AOAP analysis
(See notes 4 and 5)



OC 1000 or 12M Oil Filter (O) AOAP analysis (Disassemble, clean housing, renew element, and reassemble)
(See note 6)

TOTAL TASK-HR		TOTAL TASK-HR	
INTERVAL	TASK-HR	INTERVAL	TASK-HR
50	0.1	50H or 60D	0.6

•KEY•

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES		INTERVALS
		ABOVE -25°F (-32°C)	BELOW -25°F (-32°C)	
(MIL-L-23699) LUBRICATING OIL, Turbine Engine Oil Tank Oil Can Points	10 qt (9.46L)		LGT	For arctic operation refer to FM 9-207 Intervals given are in hours of normal operation.
LGT (MIL-L-7808) LUBRICATING OIL, Turbine Engine Oil Tank	10 qt (9.46L)			

NOTES:

1. OPERATION OF EQUIPMENT IN PROTRACTED COLD TEMPERATURES BELOW -25°F (-32°C). Remove lubricant prescribed in key for temperatures above -250F (-32°C). Clean parts with drycleaning solvent. Relubricate with lubricant specified in the key for temperatures below -25°F (-32-C)

2. CHECK OIL LEVEL. If you are operating the unit for the first time or if you are the assigned operator but have not operated the unit since last weekly.

3. CHANGING OIL BRANDS OR SPECIFICATIONS. Do not mix different brands or specifications of oil. The lubricant system must be flushed and the filter element replaced when changing from one brand or specification of oil to another.

4. OIL TANK. 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.

5 When AOAP laboratory support is not available, drain oil tank, replace oil filter and refill oil tank every 1000 hours or once a year.

6. OIL FILTER. After installing a new filter element, fill oil tank. Operate engine 5 minutes and check for leaks. Shut down engine, check oil level, and bring to full mark. Oil filter element replacement interval shall align with on-condition (OC) AOAP analysis or hard time oil change requirements See notes 4 and 5 above

7. OIL CAN POINTS. Every 100 hours lubricate latches, hinges, pins, and exposed adjusting threads with OE/HDO or LGT.

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:

JOHN A. WICKHAM, JR.
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 Organizational Maintenance requirements for Power Plant. Utility (MUST). Gas Turbine Engine (PPU-85-5. LPU-71. APP-1, JHTWX10/96

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