

**LUBRICATION ORDER
TECHNICAL ORDER**

**LO 9-2805-256-12
TO 38G2-102-2LC-1**

13 MARCH 1992

(Supersedes LO 5-2805-256-12, 17 November 1986)

**ENGINE, GASOLINE, 1 1/2 HP,
MILITARY STANDARD MODELS
(MODEL 1A08-1, NSN 2805-00-601-5181)
(MODEL 1A08-2, NSN 2805-00-714-8552)
(MODEL 1A08-3, NSN 2805-00-068-7510)
(MODEL 1A08-4, NSN 2805-01-182-8467)**

References: TM 9-2805-256-14, C9100-IL and FM 9-207

REPORTING OF ERRORS

You can improve this publication by calling attention to errors and by recommending improvements and by stating your reasons for the recommendations. Your letter or DA Form 2028, Recommended Changes to Publications and Forms, should be mailed directly to Commander, US Army Troop Support Command, ATTN: AMSTR-MMTS, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished directly to you.

NOTES

This LO is for crew/operator (C) or organizational (O) maintenance. Lube intervals (on-condition or hard time) and task hour times are based on normal hours of operation. Change the intervals if your lubricants are contaminated or if you are operating the equipment under adverse operating conditions. Lube more during constant use and less during periods of low activity. Adequate preservation precautions must be taken during inactive periods. Use correct grade of lubricant for seasonal temperature expected.

WARNING - Dry cleaning solvent PD-680 used to clean parts is potentially dangerous to personnel and property. Avoid repeated and prolonged skin contact. Do not use near open flame or excessive heat. Flash point of solvent is 100°F-138°F (38°C-60°C).

Clean parts with dry cleaning solvent PD-680 and dry before lubricating.

Before you start your lube service.

ALWAYS

- a. Clean parts before lubricating.
- b. Use the lubrication order as your guide.

NEVER

- a. Use wrong type/grade lubricant.
- b. Use too much lubricant.

The 1 1/2 HP military standard gasoline engine is not enrolled in the Army Oil Analysis Program (AOAP) HARD TIME INTERVALS APPLY.

DISTRIBUTION STATEMENT A - Approved for public release; distribution is unlimited.

LO 9-2805-256-12

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*TOTAL TASK-HR		*TOTAL TASK-HR	
INTERVAL	TASK-HR	INTERVAL	TASK-HR
8	0.5	500	0.3
50	1.5		

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

LUBRICANT • INTERVAL

INTERVAL • LUBRICANT

See Note 3
(Model 1A08-3 only)

OE/ HDO Ignition Cam Wick (Sparingly) (O)

50 OE/ HDO Crankcase Drain (Drain and refill) (O) (See note 4)

8 OE/ HDO Crankcase Fill and Level (Check level) (See table 1) (C)

CAUTION: When OEA oil is used, the level will be checked more often

MODELS 1A08-3 and 1A08-4

LUBRICANT • INTERVAL

INTERVAL • LUBRICANT

OE/ HDO Ignition Cam Wick (O) (Sparingly) (See Note 3)

8 OE/ HDO Air Cleaner (Refill oil reservoir to level mark: every 50 hours disassemble entire unit, clean, re-oil and reassemble (O))

50 OE/ HDO Crankcase Drain (O) (Drain and refill) (See Note 4)

8 OE/ HDO Crankcase Fill and Level (Check level) (See table 1) (C)

MODELS 1A08-1 and 1A08-2

TABLE 1. Lubricant Table for 1 1/2 HP Military Standard Gasoline Engine

Temperature Range	Lubricant Mil. Symbol (NATO Code) Specification	Capacity	Interval	Task-hour
Above + 32°F (Above 0°C)	OE/HDO 15/40 (0-1236) MIL-L-2104	*½ qt or (0.4731L)	50 hrs	1.5
	OE/HDO 30 (0-238) MIL-L-2104	** ⅛ qt or (0.1182 L) ***	8 hrs 50 hrs	0.5
-10°F to + 40°F (-23°C to + 5°C)	OE/HDO 15/40 (0-1236) MIL-L-2104	*½ qt or (0.4731 L)	50 hrs	1.5
		⅛ qt or (0.1182 L) *	8 hrs 50 hrs	0.5
-65°F to 0°F (-50°C to -18°C)	OEA/APG-PD-1 (D-183) MIL-L-46167	*½ qt or (0.4731 L)	50 hrs	1.5
		**⅛ qt or (0.1182 L)	8 hrs	0.5
*Crankcase **Air Cleaner, -1 and -2 only. ***Oil Can Points, See note 2				

NOTES:

1. FOR OPERATION OF EQUIPMENT IN PROTRACTED COLD TEMPERATURE -10°F (-23°C). Remove lubricant prescribed in table 1 for temperatures above -10°F (-23°C). Clean parts with dry cleaning solvent PD-680. Relubricate with lubricants specified in table 1 for temperatures below -10°F (-23°C). For arctic operation refer to FM 9-207.

2. OIL CAN POINTS. Every 25 hours lubricate all exposed adjusting threads with OE/HDO.

3. Insurecam wick is lubricated with OE/HDO (sparingly) whenever ignition contact points are replaced or adjusted.

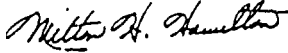
4. CRANCKCASE. Drain crankcase when hot. Every 50 hours drain and refill crankcase, operate engine for five minutes, check for leaks, check crankcase oil level and bring to full mark.

Copy of this lubrication order will remain with the equipment at all times; instructions herein are mandatory.

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TO 38G2-102-2LC-1

By Order of the Secretaries of the Army and the Air Force:

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Distribution:

To be distributed in accordance with DA Form 12-25A, Operator and Unit Maintenance Requirements for Engine, Gasoline, 1½ HP, Models 1A08-1/2/3/4.

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