

**AEROSOL GENERATOR, NON-THERMAL,
INSECTICIDE, ULTRA-LOW VOLUME
MODEL XKA (NSN 374001-076-1341)**

Reference TM 5-3740-214-14 AND C9100-IL

Intervals and related man hours are based on normal operation. The time specified is the time required to perform all services for that particular interval. Reduce to compensate for abnormal operation and severe conditions or contaminated lubricants. During inactive periods, intervals may be extended to correspond with adequate preservation. Time in MAN-HR column applies only to listed interval: add listed times if lubrication for

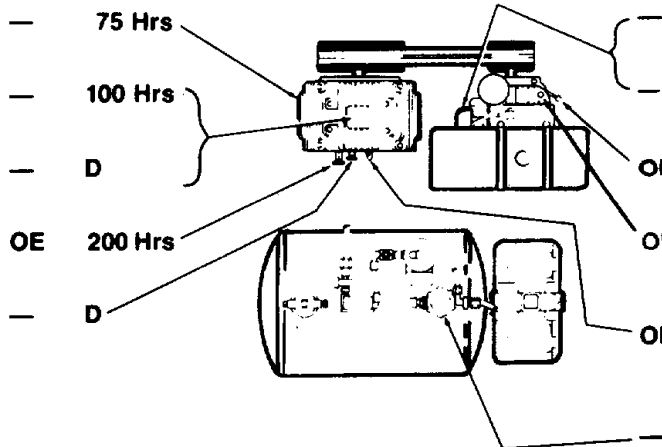
two or more intervals is performed at same time. Level of maintenance for lubrication requirements is indicated by (C) for crew, operator and (O) for organizational maintenance. Clean area around dipsticks before lubricating. Use PAINT THINNER, MINERAL SPIRITS (TPM) or DRY CLEANING SOLVENT (SD2). Dry before lubricating. Do not over lubricate: wipe off excess lubricant.

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 & Aviation Materiel Readiness Command ATTN: DRSTS-MPSD, 4300 Goodfellow Blvd. St. Louis, MO. 63120. A reply will be furnished to you.

LUBRICANT • INTERVAL

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- Compressor Air filters replace (O) (See note 8)
- Separator Filter clean (O) (See note 10)
- Separator drain (C) (See note 9)
- Compressor Crankcase drain (O) (See note 6)
- Pulsation Tank drain (C) (See note 7)



- 100 Hrs Engine Air Filter replace (O) (See note 4)
- 50 Hrs Engine Air Filter clean (O) (See note 3)
- OE/HDO 25 Hrs Engine Crankcase drain (O) (See note 2)
- OE/HDO Engine Crankcase fill and level (check level (C) (See note 1)
- OE D Compressor Crankcase fill and level (check level) (C) (See note 5)
- 100 Hrs Formulation Tank Filter Clean (O) (See note 11)

TOTAL MAN-HR		TOTAL MAN-HR	
INTERVAL	MAN-HR	INTERVAL	MAN-HR
D	0.25	100 HRS	0.50 HRS
25 HRS	0.50	200 HRS	0.50 HRS
50 HRS	0.50		

LUBRICANT		REFILL CAPACITY (APP)	EXPECTED TEMPERATURE			INTERVAL
			Above 30°F	30 — 0°F	Below 30°F	
OE/HDO (MIL-L-2104C)	Lubricating oil internal combustion engine, heavy duty	1 qt	OE/HDO 30	OE/HDO 10-30	OE/HDO 5-20	D — Daily 25 hours
OE SN 9150-01-0052-7562	Lubricating oil synthetic reciprocating compressor, ground support	1.5 pts	AMSOIL OR ANDEROL 500	AMSOIL OR ANDEROL 500	AMSOIL OR ANDEROL 500	D — Daily 200 hours

For active operation refer to FMS-207

NOTES

1. Oil level must be kept between full (F) and low (L) marks on plug-dipstick. CAUTION DO NOT overfill. Oil level must never be higher than full (F) mark. Drain oil to correct level if necessary.

2. After first 5 hours and each 25 hours of operation thereafter, remove drain cap and drain engine crankcase oil. Clean drain cap and replace it after draining oil. To refill remove plug-dipstick and add one quart of oil through dipstick hole. Install and securely tighten plug-dipstick.

3. After 50 hours of operation, remove air filter and blow air through it from the inside out. Install air filter and securely tighten wing nut.

4. After 100 hours of operation, remove air filter cover and replace air filter. Install air filter cover and securely tighten wing nut.

5. Oil level must be kept between top and bottom marks on dipstick. CAUTION DO NOT overfill. Oil level must never be higher than top mark on dipstick. Drain oil to correct level if necessary.

6. After 100 hours of operation open compressor crankcase drain valve and drain oil. If the oil is clean after 100 hours, it can be extended to 200 hours or less if it becomes dirty. Close drain valve. To refill remove dipstick and add 1.5 pts of oil through dipstick hole. Install dipstick.

7. Open pulsation tank drain valve and drain oil. Close drain valve before starting aerosol generator.

8. After 75 hours of operation or sooner if necessary, replace compressor air filter elements.

9. Open separator drain valve and drain oil. Close drain valve before starting aerosol generator.

10. After 100 hours of operation or sooner if necessary, remove separator base retaining nut, separator base, filter retaining nut, baffle disc, and filter element. Clean filter element with acetone (O-A-51 F) and reassemble separator. Securely tighten retaining nuts.

11. After 100 hours of operation unscrew filter body and remove filter screen. Clean screen in soap (P-S-579) and water. Reassemble filter. Make sure gasket seats correctly.

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:


E. C. MEYER
General, United States Army
Chief of Staff

Official:

ROBERT M. JOYCE
Brigadier General, United States Army
The Adjutant General

LO 5-3740-214-12 DISTRIBUTION: To be distributed in accordance with DA Form 12-25A, Operator maintenance requirements for Insect and Pest Control.

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS

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