

## DECONTAMINATING APPARATUS, POWER-DRIVEN, SKID-MOUNTED, MULTIPURPOSE, NONINTEGRAL, 500 GALLON, ABC-M12A1

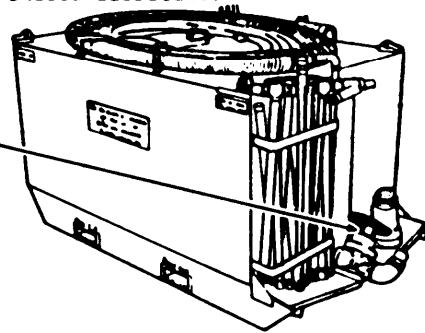
Reference: TM 3-4230-209-10

Interval and the related manhour time is based on normal operation. The manhour time specified is the time you need to do all the services. Reduce the interval if your lubricants are contaminated or if you are operating the equipment under adverse operating conditions, including longer-than-usual operating hours. During period of low operation, the interval may

be extended if the preservation steps of note 11 are followed. Level of Maintenance for lubricant requirements is indicated at (C) for Operator Maintenance. Clean fittings, valve stems, and pipe threads with DRY CLEANING SOLVENT (SD-2), Fed Spec P-D-680, Type II. Dry before lubricating. Do not overlubricate; wipe off excess lubricant.

**LUBRICANT INTERVAL**

GAA Q Tank Unit (1 fitting on tank drain valve)  
(See note 2, 5 & 9)



GAA Q Valves Nos. 2 and 3  
(See Note 2)

GAA Q Valve No. 1 and Beveled Gear Train  
(See Note 2)

GAA Q Slurry Nozzles  
(See Note 3)

GAA Q Hose Reel Swivel Joint  
(4 fittings)  
(See Note 5)

GAA Q Gun Assemblies  
(See Note 3)

GAA Q Pump (1 fitting; see note 7)

GAA Q Battery (See note 12)

GAA Q Engine (See note 6)

GAA Q Pump Drain (No. 4 valve)  
(See Note 2)

Q Operate engine and pump for at least 30 seconds immediately after lubrication to distribute lubricants. During operation rotate all valves to lubricate diaphragms and ball valves.

TOTAL MAN-HRS	
INTERVAL	MAN-HR
Q	0.80

## KEY

LUBRICANTS	EXPECTED TEMPERATURE			INTERVALS
	Above +32°F	+40°F to -10°F	0°F to -65°F	
PL-M (MIL-L-3150) Lubricating Oil Preservative Medium NSN 9150-00-231-2361 (1 qt can)	PL-M	PL-M		See notes 4, 10 and 11
PL-S (VV-L-800) Lubricating Oil General Purpose Preservative (Water- Displacing, Low Temperature) NSN 9150-00-231-6689 (1 qt can)	PL-S	PL-S	PL-S	See notes 4, 10 and 11
GAA (MIL-G-10924) Grease, Automotive and Artillery NSN 9150-00-190-0905 (5 lb can)	GAA All temperatures Except in Tropical Climates Use GTH (Lubrication Grease High Temperature Electric Motor Ball and Roller Bearings) (MIL-L-15719) NSN 9150-00-257-5358 (8 oz tube)			See notes 2, 3, 9 and 12

## NOTES

- 1 CARE OF LUBRICANT - See that lubricant containers are closed tightly to prevent contamination when not in use.
- 2 VALVES - Clean and dry. Coat stems with GAA.
- 3 NOZZLES and GUN - Clean and dry. Lightly coat with GAA.
- 4 END OF SPRAYING MISSION - Circulate 3 gallons water and 3 pints PL-M or PL-S through pump, according to note 11.
- 5 FITTINGS - Apply grease (one stroke of handgun or equivalent) to lubrication fittings. Excess lubrication will damage seals. If hose reel assembly pillow blocks have grease fittings, grease the fittings quarterly with GAA.
- 6 ENGINE - See LO 5-2805-259-12 (Models 4A084-2 and 4A084-3) for engine lubrication.
- 7 PUMP - Unscrew pump breather from bearing housing before applying grease to fitting. After lubrication, wipe off all excess grease and reinstall pump breather.
- 8 DUST CAPS and THREADED PARTS - Coat all threaded parts with GAA whenever they are disassembled.
- 9 FOOT VALVE and SHOWER PIPING - Clean and dry. Coat threaded parts with GAA.
- 10 DETERGENT and FUEL TANKS - During inactive periods, fog interior of prime and detergent tank and fuel tank with PL-M or PL-S.
- 11 IDLE TIME - If the apparatus is to be idle for greater than 24 hours, lubricate the pump by pouring 3 pints of PL-M or PL-S mixed with 3 gallons of water into the prime detergent tank. Open valve No. 4 and allow the mixture to run into the pump. Start the pump unit and operate for 30 seconds. Stop the pump unit. Open the pump drain valve and allow the mixture to run out. Check that prime detergent tank is empty. Close the pump drain valve and valve no. 4. For idle time greater than 48 hours, follow the above procedures and, in addition, wipe exterior surfaces of pump, piping and valves with a cloth dampened with PL-M or PL-S.
- 12 Coat battery terminals with GAA.

Copy of the 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 12-28, block 169, operator maintenance requirements for skid or skid-mounted decontaminating apparatus.