

LUBRICATION ORDER
28 FEBRUARY 1995

SUPERSEDES LO 5-4610-215-12, 9 JANUARY 1989

WATER PURIFICATION UNIT, REVERSE OSMOSIS
600 GPH, TRAILER MOUNTED, FLATBED CARGO,
5 TON, 4 WHEEL TANDEM ROWPU
MODEL 009610900, NSN 4610-01-234-2196
AND
600 GPH SKID MOUNTED ROWPU
MODEL 0996108001, NSN 4610-01-234-2190

References: TM 10-4610-239-10 and
Federal Supply Catalog C9100-IL.

DISTRIBUTION STATEMENT A: **Approved for public release; Distribution is unlimited.**

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 these procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual directly to: Commander, US Army Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. Marine Corps personnel submit NAVMAC 10772 Form to Commanding General, Marine Corps Logistics Base, (Code 850), Albany, GA 31704-5000. A reply will be furnished directly to you.

This LO is for operator/crew (C) or unit (O) maintenance. Lube intervals (on-condition or hard time) are based on normal operation. Lube during constant use, and less during inactive periods. The task-hour specified is the time you need to do all the services prescribed for a particular interval. Use correct grade of lubricant for seasonal temperature expected.

For equipment under manufacturers warranty, hard time oil service intervals shall be followed. Intervals shall be shortened if lubricants are known to be contaminated or if operation is under adverse conditions (such as longer than usual operating hours, extended idling periods, extreme dust).

Chemical feed pump and R.O. pump oils must be sampled at 100 hour intervals as prescribed by TB 43-106. On-condition (OC) oil sample intervals shall be applied unless changed by the Army Oil Analysis Program (AOAP) laboratory.

Ensure ROWPU is level before checking oil levels in chemical feed pump and R.O. pump. Drain oils while they are warm. Lubricate trailer immediately after fording, or as soon after unit movement permits. Dry equipment before lubricating. On the picture, a dashed line (--) means there are lubrication points on both sides of the equipment.

Before you start lubrication:

ALWAYS

- Clean dirt from grease fittings using a clean wiping rag.
- Use the lubrication order as your guide.
- After lubrication, wipe excess grease from fittings to prevent build up of dirt, grit, and contaminants.

NEVER

- Use wrong type/grade of grease.
- Use too much lubricant.
- Use any type of solvent to clean trailer trunnion axle grease fittings.

Table 1. Lubricant Table for R.O. Pump.

Temperature Range	Lubricant Mil Symbol (NATO Code) Specification	Capacity Hour	Interval	Task
Above +32°F (0 C)	OE/HDO 15/40 (0-1236) MIL-L-2104	3.5 Quarts	750 hrs	1.0
+40°F to 10°F	OE/HDO 15/40 (+40C to -120C) MIL-L-2104	3.5 Quarts (0-1236)	750 hrs	1.0
+0°F to -65°F (-17°C to -540C) (For arctic operation, refer to TM 9-207)	OEA (0-183) MIL-L-46167	3.5 Quarts	750 hrs	1.0

Table 2. Lubricant Table for Chemical Feed Pump.

Temperature Range	Lubricant Mil Symbol (NATO Code) Specification	Capacity	Interval	Task Hour
Above +32°F (0°C)	GO-80/90 (0-226) MIL-L-2105	4.75 Quarts	4000 hrs	1.0
+40°F to 10°F (+40C to -120C)	GO-80190 (0-226) MIL-L-2105	3.5 Quarts	4000 hrs	1.0
+0°F to -65°F (-170C to -540C) (For arctic operation, refer to TM 9-207)	GO-75 (0-186) MIL-L-2105	3.5 Quarts	4000 hrs	1.0