

CHANGE

NO. 1

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 4 April 1995

Lubrication Order

**TRUCK, TRACTOR, M1074
AND M1075 PALLETIZED
LOAD SYSTEM (PLS)
NSN 2320-01-304-2277
NSN 2320-01-304-2278**

LO 9-2320-364-12, dated 1 October 1993, is changed as follows:

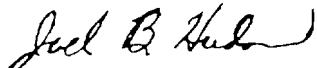
1. Remove old cards and insert new cards as indicated below.
2. New or changed material is indicated by a vertical bar in the margin of the card.
3. Added or revised illustrations are indicated by a vertical bar adjacent to the illustration.
4. Title is changed as noted above.

Remove Card	Insert Card	Remove card	Insert Card
Card 7 and Card 8	Card 7 and Card 8	Card 41 and Card 42	Card 41 and Card 42
Card 17 and Card 18	Card 17 and Card 18	Card 43 and Card 44	Card 43 and Card 44

By Order of the Secretary of the Army:

GORDON R. SULLIVAN
General, United States Army
Chief of Staff

Official:



JOEL B. HUDSON
*Acting Administrative Assistant to the
Secretary of the Army*
00360

Distribution:

To be distributed in accordance with DA Form 12-38-E, Block 0891, requirements for
LO 9-2320-364-12.

File this change sheet in the front of the publication for reference purposes.

Approved for public release: distribution is unlimited.

**PALLETIZED LOAD SYSTEM (PLS),
M1074/M1075
(NSN 2320-01-304-2277/2320-01-304-2278)**

References: TM 9-2320-364-10, TM 9-2320-364-20, FSC C9100-IL

REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS

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 Blank Forms, should be mailed directly to Commander, U.S. Army Tank-Automotive Command, ATTN: AMSTA-MB, Warren, MI, 48397-5000. A reply will be furnished directly to you.

Maintenance Levels. This Lubrication Order (LO) is for Operator/Crew and Unit Maintenance. The lowest level of maintenance authorized to lubricate a point is indicated by either Operator/Crew (C) or Unit Maintenance (O). Operator/Crew may lubricate points authorized for Unit Maintenance when authorized by Unit Maintenance.

Locators. Points indicated with dotted lines are lubricated on both sides of the truck. Reference to the appropriate localized view is given after most lubrication entries. Localized views begin on Card 24.

Lube Intervals. Lube intervals (On-Condition or Hard-Time) and related man-hour times are based on normal operation. The man-hour time specified is the time needed to do all the services prescribed for a particular interval. Army Oil Analysis Program (AOAP) lubricants will be changed on condition as directed by analysis results. Hard-time intervals will be applied in the event AOAP laboratory support is not available. For equipment under manufacturer's warranty, hard-time oil service intervals shall be followed. The calendar interval maybe extended during periods of low activity. If extended, adequate preservation precautions must be taken. 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, or extreme dust.

Intervals shown in this LO are based on calendar, mileage, and hourly times and/or any combination of calendar, mileage, and hourly times. An example of a calendar lubrication interval is: S, which stands for Semiannually (every six months). An example of a mileage and calendar interval is: 10/A, in which 10 stands for 10,000 mi (16,090 km), and A stands for Annual (every 12 months). Perform the lubrication at whichever interval occurs first. Notes are located on Cards 40 to 44.

Approved for public release: distribution is unlimited.

WARNING

- Drycleaning Solvent (P-D-680) is TOXIC and flammable. Wear protective goggles, face shield, and gloves; use only in a well-ventilated area; avoid contact with skin, eyes, and clothes, and do not breathe vapors. Keep away from heat or flame. Never smoke when using solvent; the flashpoint for Type I Drycleaning Solvent is 100 degrees F (38 degrees C) and for Type II dry cleaning solvent is 140 degrees F (60 degrees C). Failure to do so may result in injury or death to personnel.
- If personnel become dizzy while using cleaning solvent, immediately get fresh air and medical help. If solvent contacts skin or clothes, flush with cold water. If solvent contacts eyes, immediately flush eyes with water and get immediate medical attention.

Cleaning and Fording. Clean grease fitting and grease gun tip before lubricating. Clean parts with drycleaning solvent (P-D-680, Type II or equivalent). Dry before lubricating. After high pressure washing, lubricate all fittings and oil can points outside and underneath the truck. After fording, lubricate all fittings below fording depth and check submerged gearboxes for water. Drain if water is found. For corrosion control, refer to TM 9-2320-364-10.

Distribution Statement. Approved for public release; distribution is unlimited.

AOAP Sampling. Engine oil/transmission oil/hydraulic fluids must be sampled at 100 hours of operation or at 90-day intervals, whichever comes first, as prescribed by DA Pam 738-750. Hard-time intervals will be applied in the event AOAP laboratory support is not available.

Warranty Statement. For equipment under manufacturer's warranty, hard-time oil service intervals shall be followed, however, if the laboratory recommends an oil change, the recommendation will 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, or extreme dust.

Table 1. Lubricants

Lubricating Oil, Internal Combustion Engine (ICE), Tactical, OE/HDO (MIL-L-2104) or Lubricating Oil, ICE, Arctic, OEA (MIL-L-46167)	Component	Approximate Capacity	Expected Temperatures	Intervals
	Engine	30 qt (28 l)	See CHART A.	OC - ON-CONDITION D - DAILY W - WEEKLY M - MONTHLY AR - AS REQUIRED HRS - HOURS S - SEMIANNUALLY (6 MONTHS) A - ANNUALLY BI - BIENNIALY 1.5 - 1500 MILES 3 - 3000 MILES 6 - 6000 MILES 9 - 9000 MILES 12 - 12,000 MILES 24 - 24,000 MILES
	Transmission	33 qt (31 l)	See CHART B.	
	Transfer Case	9.8 qt (9 l)	See CHART C.	
	Power Steering Reservoir	15.3 qt (14 l)	See CHART D.	
	Hydraulic Reservoir	162 qt (153 l)	See CHART D.	
	Oil Can Points	As required	See CHART G.	
Lubricating Oil, Gear, Multipurpose, GO (MIL-L-2105)	Axle No. 1	34 pt (16.1 l)	See CHART H.	
	Axle No. 2	33 pt (15.61 l)	See CHART H.	
	Axle No. 3	33 pt (15.61 l)	See CHART H.	
	Axle No. 4	32 pt (15.14 l)	See CHART H.	
	Axle No. 5	34 pt (16.1 l)	See CHART H.	
	Planetary Hub Gears	3.2 pt (1.5 l)	See CHART H.	
	Steering Gear Box 2.21:1	0.5 pt (0.237 l)	See CHART F.	
	Self-Recovery Winch Gearbox	2 qt (2 l)	See CHART E.	
	Hoist Gearbox	1 pt (0.47 l)	See CHART E.	
	Swing Drive Gearbox	40 oz (1.18 l)	See CHART E.	

For arctic operation, refer to FM 9-207.