

LUBRICATION ORDER

LO 10-3930-628-12

(Supersedes LO 10-3930-628-12, 18 NOVEMBER 1972)

TRUCK, LIFT, FORK, EMD, SOLID RUBBER  
TIRED WHEELS, 2, 000 LBS CAPACITY,  
144-INCH LIFT, ARMY MODEL MHE-219  
(ALLIS CHALMERS MODEL FE20-24EE AND  
ACE 20-24EE) (NSN 3930-00-151-4432)

Reference: TM 10-3930-628-12, and FEDERAL SUPPLY CATALOG C9100-IL.

Hard time intervals and the related manhour times are based on normal operation. The man-hour time specified is the time you need to do all the services prescribed for a particular Interval. Change the hard time interval if your lubricants are contaminated or if you are operating the equipment under adverse operating conditions, including longer than-usual operating hours. The calendar time Interval may be extended during periods of low activity. If extended, adequate preservation precautions must be taken.

**WARNING**

Dry cleaning fluid is flammable. Do not use near a flame or excessive heat. Use only with adequate ventilation. Avoid prolonged breathing of vapors and minimize skin contact.

Clean parts or fittings with dry cleaning solvent (SD),

Type II or equivalent. Dry before lubricating. Dotted arrow shafts indicate lubrication on both sides of equipment. A dotted circle indicates a drain below. Relubricate all items found contaminated after fording or washing.

The lowest level of maintenance authorized to lubricate a point is indicated by one of the following symbols as appropriate: Operator/Crew (C); and Organizational Maintenance (O).

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 the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to: Commander, US Army Tank-Automotive Command, ATTN: DRSTA-MB, Warren, MI 48090. A reply will be furnished to you.

\*The time specified is the time required to perform all services at the particular interval.

| *TOTAL MAN-HOURS |           | *TOTAL MAN-HOURS |           |
|------------------|-----------|------------------|-----------|
| INTERVAL         | MAN-HOURS | INTERVAL         | MAN-HOURS |
| 50               | 0.2       | 500              | 0.2       |
| 250              | 2.0       | 1000             | 3.0       |

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# LUBRICANT•INTERVAL

# INTERVAL•LUBRICANT

Fork Carriage (0) **GAA 250**  
(Sparingly)

Upright Rollers  
(No lubrication  
required)

Tilt Cylinder (0) **GAA 250**

Bull Gears (0) **GMD 1000**  
(See Note 4)

Wheel  
Bearings (0) **GAA 1000**  
(See Note 3)

Jackshaft  
Bearings (0) **GMD 1000**

Drag Link (0) **GAA 250**

Differential Drain  
Plug (0)  
(Drain and refill)  
(See Note 5)

Steering Gear Fill  
and Level Plug (0) **GO 250**

Wheel  
Bearings (0) **GAA 1000**  
(See Note 3)

Steer Axle  
Mounting (0)  
(2 fittings) **GAA 250**

Drag Link (0) **GAA 250**

Pivot Arm (0) **GAA 250**

**250 OE/  
HDO** Lift Chains (0)  
(Clean and coat)

**250 GAA** Uprights (0)  
(Clean and coat  
surfaces)

**250 GO** Differential Fill  
and Level Plug (0)  
(Check level-  
add oil)  
(See Key)

**250 GAA** Pivot Pins (0)

**500 BFS** Master Brake  
Cylinder Fill  
and Level (0)  
(Check level)  
(See Key)

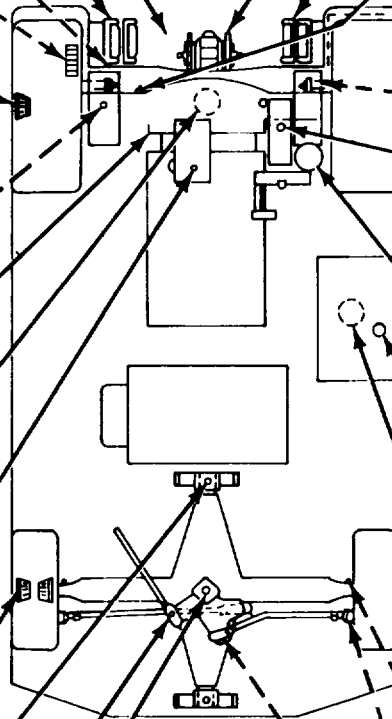
**250** Hydraulic Oil  
Filter (0)  
(Replace element)  
(See Note 7)

**50 OE/  
HDO** Hydraulic Reservoir  
Fill and Level  
Gauge (C)  
(Check level-add  
oil) (See Key)

**1000** Hydraulic Reservoir  
Drain Plug (0)  
(Drain and refill)  
(See Note 6)

**250 GAA** King Pins (0)  
(4 fittings)

**250 GAA** Tie Rod Ends (0)  
(4 fittings)



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