(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).

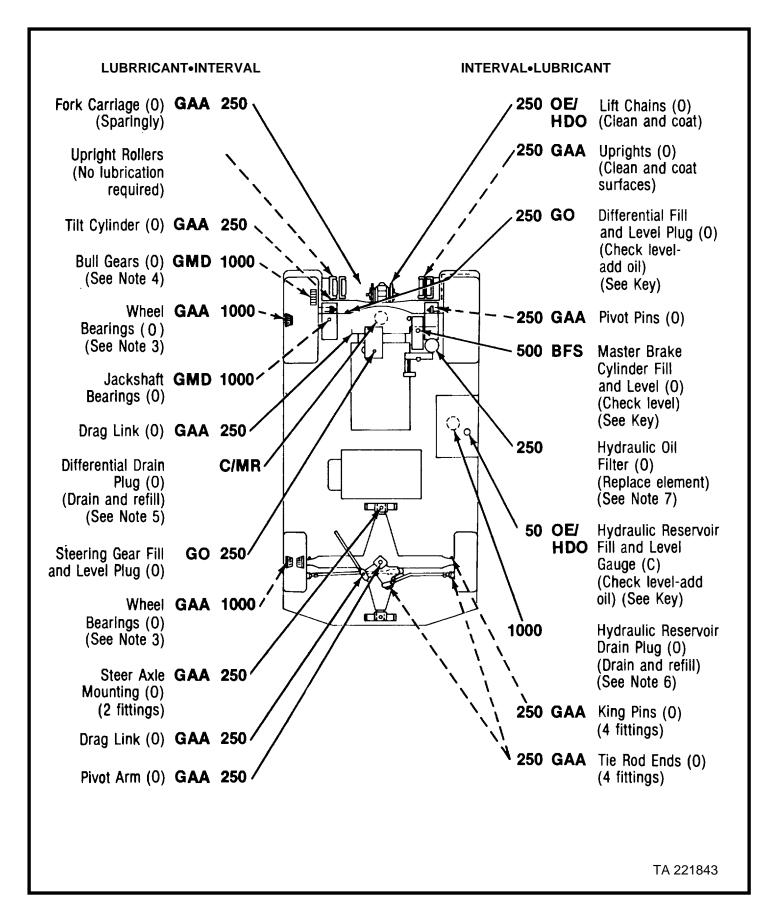
Reporting errors and recommending Improvements. You can help improve this manual. If you find any mistakes, or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to: Commander, US Army Tank-Automotive 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		
50 250	0.2 2.0	500 1000	0.2 3.0		

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			-	KE.	Y-				
EXPECTED TEMPERATURES									
LUBRIC	ANTS	CAPACITY			+40°to -15° (+4°to -26°0				INTERVALS
Cor Eng	oricating Internal nbustion gine, Tac- Il Service		OE/HDO	30	OE/HDO 10	0			C/MR ~ Condition Monitor
Cor	oricating Internal inbustion Jine, Arctic						OEA (See Note 1)		
- Oil Poi (See								A 9-207	
Res	draulic Oil servoir Filters	17 qts. (16 L)						refer to FM	Intervals
Oil,	oricating Gear, Itipurpose		GO 80W/	90	GO 80W/90		GO 75W	operation re	in hours
– Difi Axl	erential e	5 pts. (2.36 L)						Arctic op	operation.
- Ste Gea	ering ar	1/2 pt. (0.23 L)						For Are	
	ke Fluid, cone, omotive								
	ke Master inder		ALL TEMPERATURES						
			ALL TEMPERATURES						
	ease, comotive I Artillery		ALL TEMPERATURES						

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NOTES:

- 1. FOR OPERATION OF EQUIPMENT IN PROTRACTED COLD TEMPERATURES BELOW-15°F (-26°). Remove lubricants prescribed in Key for temperatures above -15°F (-26°C). Relubricate with lubricants specified in Key for temperatures below -15°F (-26°C). If OEA lubricant is required to meet the temperature ranges prescribed in the Key, OEA lubricant IS to be used in place of OE/HDO-10 lubricant for all temperature ranges where OE/HDO-10 is specified in the Key.
- 2. OIL CAN POINTS. Each 250 hours, lubricate control linkage, pins and clevises, and all exposed adjusting threads exposed with OE/HDO.
- 3. WHEEL BEARINGS. Each 1000 hours, remove wheels, clean and Inspect all parts, replace damaged or worn parts, repack bearings, and assemble.
- 4. BULL GEARS. Each 1000 hours, remove wheels, clean, inspect and coat pinion and bull gear.
- 5. DIFFERENTIAL. Each 250 hours check level. Change gear lubricant only when required by maintenance repair action, contamination by water, or other foreign material. After refill, operate for five minutes, check for leaks and bring oil level to fill and level plug opening.
- 6. HYDRAULIC RESERVOIR. Each 50 hours check oil level. Each 1000 hours drain reservoir. Remove filter element, clean filter shell and Install new filter element. After replacement, refill reservoir and operate lift for 5 minutes, check for leaks, check oil level and bring to "FULL" mark.
- 7. HYDRAULIC OIL FILTER. Each 250 hours, remove element, clean filter shell and Install new element. After replacement, operate lift for 5 minutes, check for leaks, check level and bring to "FULL" mark.

8. LUBRICANTS. The following Is a list of lubricants with military symbols and applicable specification numbers.

OE/HDO	MIL-L-2104
GO	MIL-L-2105
GAA	MIL-G-10924
OEA	MIL-L-46167
BFS	MIL-B-46176
GMD	MIL-G-21164
(SD), Type II	P-D-680

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:

JOHN A. WICKHAM, JR. General, United States Army Chief of Staff

OFFICIAL:

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

DISTRIBUTION:

To be distributed in accordance with DA Form 12-25A, Operator and Organizational Maintenance requirements for Warehouse Equipment.

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CARD 4 OF 4

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