

LUBRICATION ORDER

LO 9-2350-238-12

14 May 1990

(Supersedes LO 9-2350-238-12; 15 March 1985)

RECOVERY VEHICLE, FULL-TRACKED: LIGHT, ARMORED, M578 (2350-00-439-6242)

Reference: TM 9-2350-238-10, TM 9-2350-238-20

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This lubrication order is divided into seven sections based on lubrication intervals (daily, weekly, quarterly (3 months), semiannually (6 months), annually (1 year), biennially (2 years), and on-condition).

An overall view showing lubrication points precedes each set of detailed notes.

A broken leader line (- - -) means there are lubrication points on both sides of the vehicle.

Intervals are based on normal operation.

- Lubricate more during constant operation.
- Perform a quarterly lubrication as soon as possible after water fording operation.
- On-condition intervals for oil changes shall be determined by the Army Oil Analysis Program (AOAP) laboratory and shall be applied unless otherwise notified.
- For operation of vehicle in protracted cold temperatures below 0°F (-18 °C), remove lubricants prescribed in the key for temperatures above 0°F (-18 °C), clean parts with dry cleaning solvent, and relubricate with lubricants specified in the key for temperatures +40°F to -70°F (+4°C to -57°C).

MAN-HOUR TIMES

The man-hour time specified is the time you need to do all the services prescribed for a particular interval.

LEVEL OF MAINTENANCE: • C – Operator/Crew
 • 0 – Unit Maintenance

LUBRICATION POINTS

Type of lubricants used at each point are identified by arrows:



CLP



G A A

OBSERVE THE FOLLOWING:

- NEVER use the wrong type grease.
- NEVER use too much lubrication.
- ALWAYS clean grease fittings before lubrication.
- ALWAYS use the lubrication order.

KEY

LUBRICANTS		CAPACITIES	EXPECTED TEMPERATURES		INTERVALS
			Above 0°F (Above -18 °C)	Below + 40 °F Below + 4 °C)	
OE/HDO (MIL-L-2104D)	LUBRICATING OIL, Internal Combustion Engine, Tactical Service		OE/HDO-I 5/40	OEA	D - Daily W - Weekly Q - Quarterly 750 mi (1207 km) or 75 hr of operation, which- ever occurs first S - Semiannually, 1500 mi, (2414 km), or 150 hr of operation, which- ever occurs first A - Annually B - Biennially OC - On-Condition
OE (MIL-L-46167)	LUBRICATING OIL, Internal Combustion Engine, Arctic				
	Engine Crenkcase, Add Three Additionel Quarts [2.8 l) for filters.	Refill 28 qt (26.5 l) Dry 38 qt (35.9 l)			
	Auxiliary Drive	Refill 4 qt (3.8 l) Dry 4½ qt (4.2 l)			
	Tow Winch	5 qt (4.7 l)			
	Boom Winch	3 qt (2.8 l)			
	Auxiliary Drive Clutch Housing	Refill ¾ pt (0.35 l) Dry 7/8 pt (0.40 l)			
	Transmission	Refill 12 gal (45.4 l) Dry 19 gal (72 l)			
	Traversing Gearcase Upper Section	OEA			
	Traversing Gearcase Lower Section				
	Hydraulic Reservoir	Refill 140 gal (530 l) Dry 165 gal (624.5 l)	OE/HDO-10	OEA	
	Final Drive (Left)	13 qt (12.35 l)	OE/HDO-15/40	OEA	
	Final Drive (Right)	7 qt (6.65 l)			
	Road Wheel Hub Bearing Trailing Idler Hub Bearing		GAA	GAA	
GAA (MIL-G-10924)	GREASE, Automotive and Artillery		ALL TEMPERATURES		
CLP (MIL-L-63460)	LUBRICANT, CLEANER and PRESERVATIVE Machine Gun Oil Can Points		CLP	CLP	
SD2 (P-D-680)	SOLVENT, Dry Cleaning		ALL TEMPERATURES		
CW-11 (VV-L-751) GO-75 (MIL-L-2105)	LUBRICATING OIL, Chain, Wire Rope, Exposed Gear, and Cables	EXPECTED TEMPERATURES			
		Above 80°F (Above 27 °C)	80°F to 30°F (27°C -1°C)	30°F to -30°F (-1°C to -34°C)	-30°F to -65°F (-34°C to -54°C)
		CW-IIC	CW-IIB	CW-IIA	GO-75

For Arctic operation refer to FM 9.207.

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TOTAL MAN-HOURS		TOTAL MAN-HOURS	
Interval	Man-Hours	Interval	Man-Hours
D	5	A	110
W	8	B	150
Q	20	OC	25
S	30		

DAILY NOTES

This page shows what to check or lubricate each day the vehicle is operated or driven.

