

**LUBRICATION
ORDER**

L055-1730-229-12

8 DECEMBER 1986

POWER UNIT, AVIATION, MULTIOUTPUT GTED ELECTRICAL, HVDRAULIC,
PNEUMATIC (AGPU), WHEEL MOUNTED, SELF-PROPELLED, TOWABLE

<u>D O D M O D E L</u>	<u>C L A S S</u>	<u>H E R T Z</u>	<u>N S N</u>
MEP-360A	PRECISE	400	1730-01-144-1897

References TM55-1730-229-12, AG 320A0-0MM-000, TO 35C2-3-473-1, TM 1730-12/1

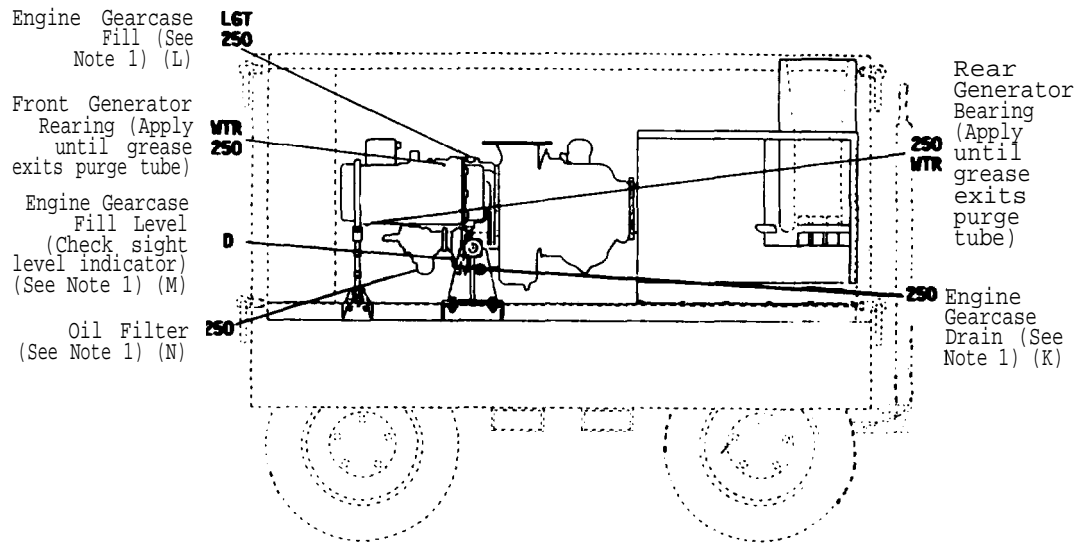
Hard time intervals and the related man-hour times are based on normal operation. The man-hour time specified is that time you need to do all the services prescribed for a particular interval. Change the interval if your lubricants are contaminated or if you are operating the equipment under adverse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

Oil changes shall be determined by hard-time intervals.

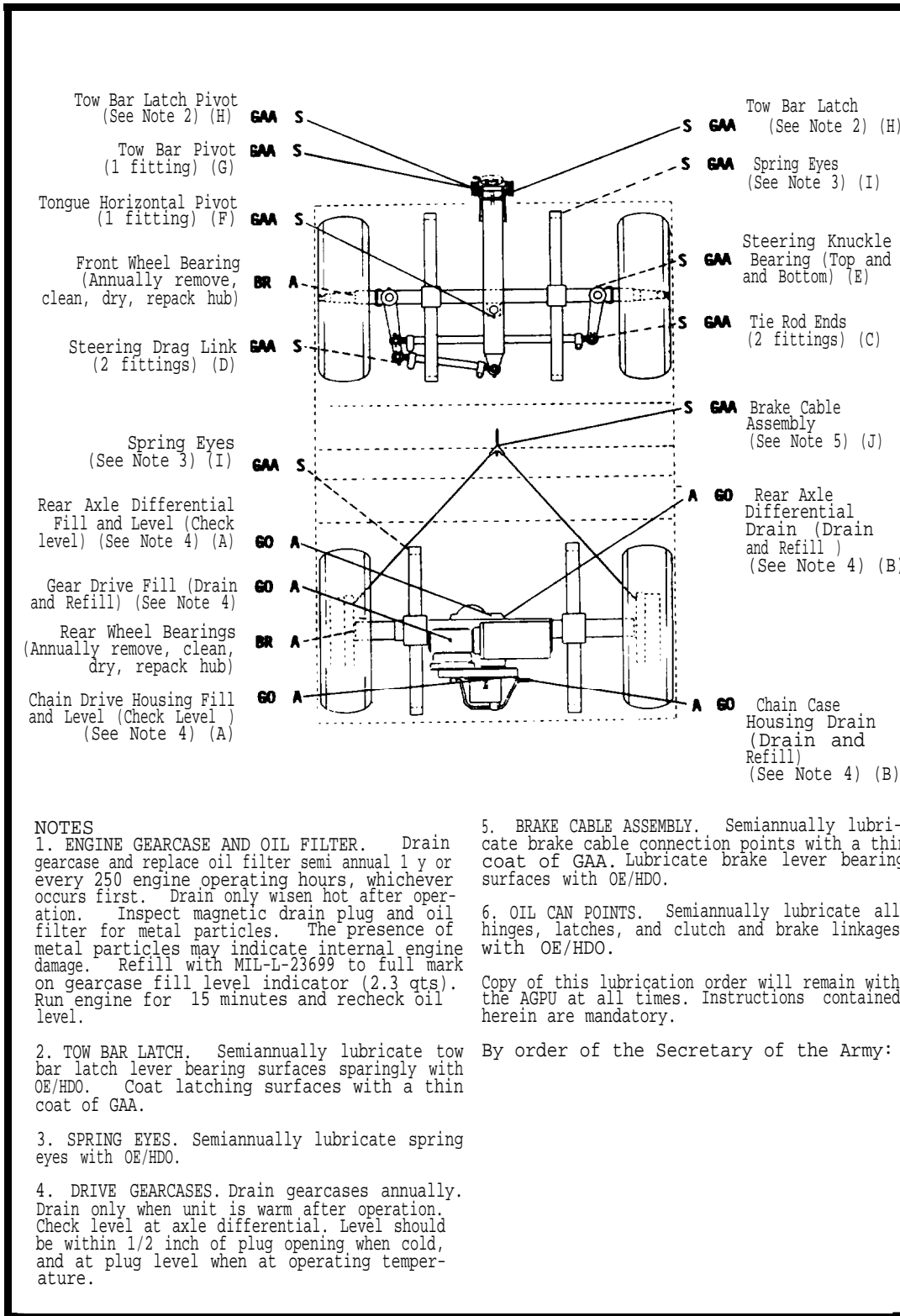
Engine oil and filter change, and generator lubrication shall be determined by hard-time intervals.

Clean fittings before lubricating. Lubricate points indicated by dotted arrow shaft on both sides of equipment. Clean parts with dry cleaning SOLVENT. Dry before lubricating. Drain gearcases when HOT. Fill and check level. The lowest level of maintenance authorized to lubricate a point is indicated by one of the following (C) Operator/crew or (O) Organizational Maintenance.

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 Aviation Systems Command, ATTN: AMSAV-MPSD 4300 Goodfellow Blvd., St. Louis, MD 63120-1798. A reply will be furnished to you.



TOTAL MAN-HR		TOTAL MAN-HR	
INTERVAL	MAN-HR	INTERVAL	MAN-HR
D	0.1		
S	1.5		
A	6.0		
250	1.5		



Tow Bar Latch Pivot
(See Note 2) (H)

Tow Bar Pivot
(1 fitting) (G)

Tongue Horizontal Pivot
(1 fitting) (F)

Front Wheel Bearing
(Annually remove,
clean, dry, repack hub)

Steering Drag Link
(2 fittings) (D)

Spring Eyes
(See Note 3) (I)

Rear Axle Differential
Fill and Level (Check
level) (See Note 4) (A)

Gear Drive Fill (Drain
and Refill) (See Note 4)

Rear Wheel Bearings
(Annually remove, clean,
dry, repack hub)

Chain Drive Housing Fill
and Level (Check Level)
(See Note 4) (A)

Tow Bar Latch
(See Note 2) (H)

Spring Eyes
(See Note 3) (I)

Steering Knuckle
Bearing (Top and
Bottom) (E)

Tie Rod Ends
(2 fittings) (C)

Brake Cable
Assembly
(See Note 5) (J)

Rear Axle
Differential
Drain (Drain
and Refill)
(See Note 4) (B)

Chain Case
Housing Drain
(Drain and
Refill)
(See Note 4) (B)

NOTES

1. ENGINE GEARCASE AND OIL FILTER. Drain gearcase and replace oil filter semi annual 1 y or every 250 engine operating hours, whichever occurs first. Drain only when hot after operation. Inspect magnetic drain plug and oil filter for metal particles. The presence of metal particles may indicate internal engine damage. Refill with MIL-L-23699 to full mark on gearcase fill level indicator (2.3 qts). Run engine for 15 minutes and recheck oil level.

2. TOW BAR LATCH. Semiannually lubricate tow bar latch lever bearing surfaces sparingly with OE/HDO. Coat latching surfaces with a thin coat of GAA.

3. SPRING EYES. Semiannually lubricate spring eyes with OE/HDO.

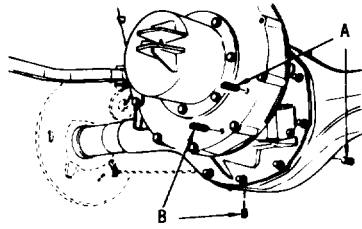
4. DRIVE GEARCASES. Drain gearcases annually. Drain only when unit is warm after operation. Check level at axle differential. Level should be within 1/2 inch of plug opening when cold, and at plug level when at operating temperature.

5. BRAKE CABLE ASSEMBLY. Semiannually lubricate brake cable connection points with a thin coat of GAA. Lubricate brake lever bearing surfaces with OE/HDO.

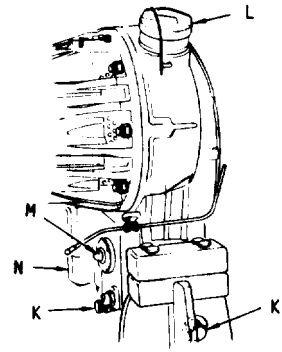
6. OIL CAN POINTS. Semiannually lubricate all hinges, latches, and clutch and brake linkages with OE/HDO.

Copy of this lubrication order will remain with the AGPU at all times. Instructions contained herein are mandatory.

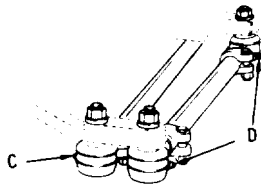
By order of the Secretary of the Army:



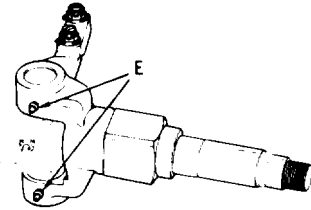
REAR AXLE CASES



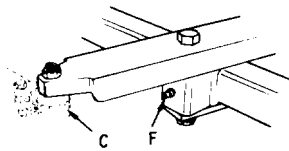
ENGINE



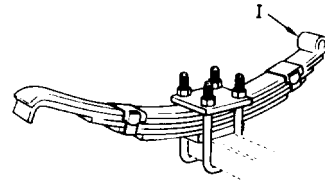
TIE RODS



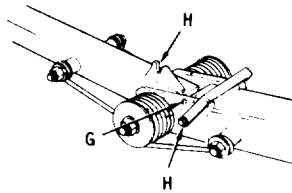
STEERING KNUCKLE



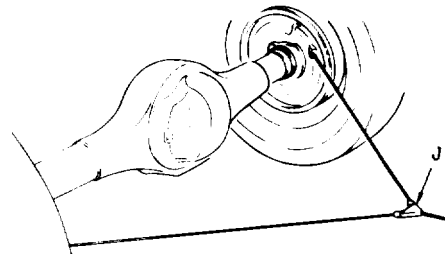
TONGUE HORIZONTAL PIVOT



SPRING EYE



TOW BAR LATCH



BRAKE CABLE ASSEMBLY

K E Y

LUBRICANTS	CAPACITIES	EXPECTED TEMPERATURES			INTERVALS	
		Above +32°F (Above 0°C)	+40°F to -10°F (+4°C to -23°C)	0°F to -65°F (-18°C to -54°C)		
LGT LUBRICATING (MIL-L-23699) OIL, Engine (or MIL-L-7808)					250 Hours (See Note)	
Engine Gearcase	2.3 qts (2.2 L)	MI L-L-23699 MI L-L-7808	MI L-L-23699 MI L-L-7808	MI L-L-7808		
GO/GOS (MIL-L-2105) (MIL-L-10324)	LUBRICANT, Gear, Universal					
	Gear Drive	2 pints (1.1 L)	GO 80/90	Go 75	GOS (Conoco DN-600)	A - Annually
	Rear Axle Differ- ential	2.5 pints (1.2 L)	GO 80/90	GO 75	GOS (Conoco DN-600)	
	Chain Drive Housing	2.5 pints (1.2 L)	GO 80/90	GO 75	GOS (Conoco DN-600)	
G A A (MIL-G-10924)	GREASE, Lube, Auto- motive and Artillery					
	Propulsion System General Lubrication	As Required	ALL TEMPERATURES			S - Semi- annually
BR (MIL-G-18709)	GREASE, Ball and Roller Bearings					
	Wheel Bearings	As Required	ALL TEMPERATURES			A - Annually
OE/HDO (MIL-L-2104)	Oil, Lubri- cating, Chassis					
	Hinges, Latches, Levers, & Linkages	As Required	ALL TEMPERATURES			s - semi- annually
62624-1292 (FSCM 62624)	GREASE, Lithium Base, High Temp					
	Generator Bearings	As Required	ALL TEMPERAURES			250 Hours (See Note)

NOTE: Hours based upon engine Running Time Meter reading.

By Order of the Secretary of the Army:

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

Official:

R. L. DILWORTH
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION:

To be distributed in accordance with DA Form 12-31, -10, AVUM and AVIM requirements for All Fixed and Rotary Wing Aircraft.

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