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**GENERATOR SET, DIESEL ENGINE-DRIVEN, WHEEL MOUNTED**  
**750-KW, 3-PHASE, 4-WIRE, 2200/3800 AND 2400/4160 VOLTS**  
**CUMMINS ENGINE COMPANY INC. MODEL KTA-2300G-2**

DOD MODEL  
MEP-012A

CLASS  
UTILITY

HERTZ  
50/60

NSN  
6115-01-143-3850

References: TM 5-6115-622-12 and C9100-IL

**REPORTING OF ERRORS**

You can help improve this publication. If you find mistakes or if you know of a way to improve the procedures, please let us know. Your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) should be mailed directly to: Commander, U.S. Army Troop Support Command, ATTN: AMSTR-MMTS, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. A reply will be furnished to you.

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**NOTES**

This LO is for (C) Crew/Operator or Unit (0) and Direct Support (F) maintenance. Lube intervals (on-condition or hard time) and task hour times are based on normal hours of operation. Change the intervals if your lubricants are contaminated or if you are operating the equipment under adverse operating conditions. Lube more during constant use and less during periods of low activity. Adequate preservation precautions must be taken during Inactive periods.

**WARNING**

Dry cleaning solvent PD-680 used to clean parts is potentially dangerous to personnel and property. Avoid repeated and prolonged skin contact. Do not use near open flame or excessive heat. Flash point of solvent is 100° F - 138° F (38°C - 60°C).

Clean parts with dry cleaning solvent PD-680 and dry before lubricating.

Dotted arrowpoints indicate lubrication on both sides of equipment.

Before you start your lube service:

**ALWAYS**

- a. Clean parts before lubricating.
- b. Use the lubrication order as your guide.

**NEVER**

- a. Use wrong type/grade lubricant.
- b. Use too much lubricant.

DISTRIBUTION STATEMENT A - Approved for public release; distribution is unlimited.

\* The time specified is the time required to perform all services at the particular interval (on-condition or hard time).

*TOTAL TASK-HR		*TOTAL TASK-HR	
INTERVAL	TASK-HR	INTERVAL	TASK-HR
300	0.3	3,000	4.0

LUBRICANT ● INTERVAL

INTERVAL ● LUBRICANT

idler pulley (O)  
idler arm  
pivot support (O)  
(See note 3)

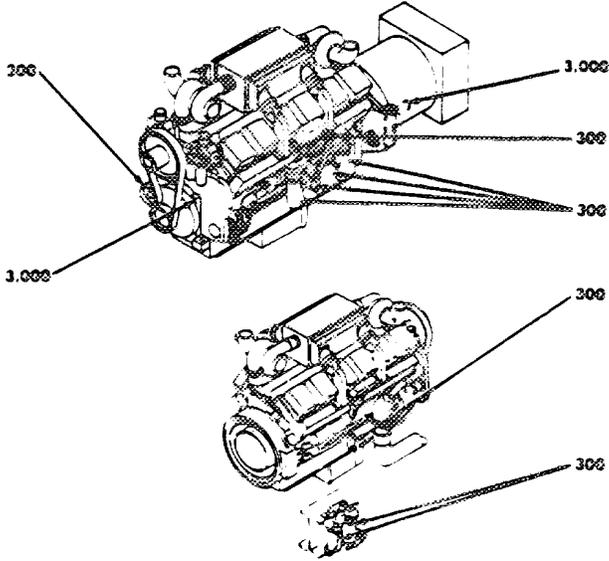
300

300

300

300

Front engine mount  
(See note 3)  
(C)



Generator GI  
main bearing  
(See note 2) (F)

Crank case  
oil fill cap  
(See note 1) (C)

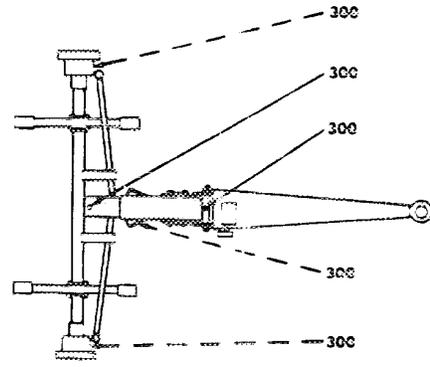
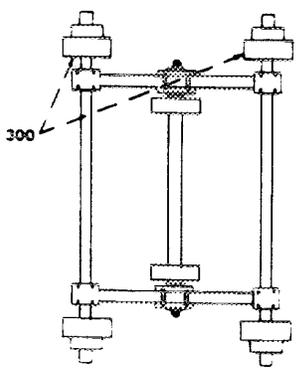
Engine oil filters,  
spin-on type  
(See note 4) (C)

Crank case liquid  
level case (check  
level - level must  
be between stop  
and operating  
marks when  
engine is running)  
(C)

Engine oil  
by pass filters,  
spin-on type  
(See note 4) (C)

Hub (GF)  
(See note 5) (O)

300



Hub (GF)  
(See note 5) (O)

Axle hitch (GF)  
(See note 5) (O)

Drawbar  
linkage (GF)  
(See note 5) (O)

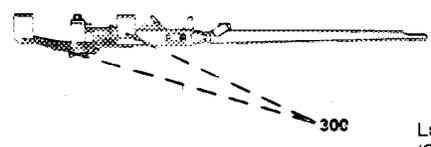
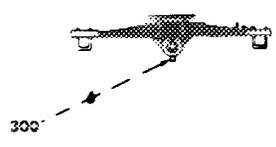
Drag link  
assembly (GF)  
(See note 5) (O)

King pin (GF)  
(See note 5) (O)

DOTTED LINE INDICATES LUBRICATION POINT ON BOTH SIDES.

Rear spring (GF)  
(See note 5) (O)

300



Leaf spring (GF)  
(See note 5) (O)

**Table 1. Lubricant Table**

<b>Temperature Range</b>	<b>Lubricant Mil. Symbol (NATO Code) Specification</b>	<b>Capacity</b>	<b>Interval</b>	<b>Man-hours</b>
20° to 125°F (-6.6° to 51°C)	OE/HDO 15/40 (0-1236) MIL-L-2104	36 gallons (136 liters)	300 hr	0.5
0° to 20°F (-18° to -6.6°C)	OE/HDO-10 (0-237) MIL-2104	36 gallons (136 liters)	300 hr	0.5
-25° to 0°F (-32° to -18°C)	OEA (0-183) MIL-L-46167	36 gallons (136 liters)	300 hr	0.5
All	Grease MIL-G-18709 (Shell Alvania #2)	2.4 ounces (0.57L)	Every 6 months	0.5
All	Grease MIL-G-10924	As required	Every 6 months	0.5

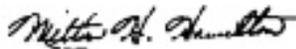
1. Check crankcase sight indicator on right hand side of pan. Add oil as required.
2. Generator set must be shut down to grease generator G2 main bearing.
3. Clean fittings before lubricating. Lubricate with grease gun.
4. Change lubricating oil when replacing filters. Prime lube system. Refer to TM 5-6115-622-12 Chapter 3, for procedure. Oil gasket of new filter before installing. Observe filter for 15 minutes after installation to verify good seal. Remove filter and oil gasket again if leaks are observed.
5. GF = Grease fitting.
6. For arctic operation refer to TM 9-207.

A copy of this lubrication order will remain with the equipment at all times; instructions herein are mandatory.

LO 5-6115-622-12  
LOP8-635-12

By Order of the Secretaries of the Army, and Navy:

Official:



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