LUBRICATION ORDER **L05-6115-575-12**

29 AUGUST 1975 (Supersedes L05-6115-575-12 Dtd 2 OCT 1970)

GENERATOR SET, DIESEL ENGINE DRIVEN: LIQUID COOLED, AC, 100KW, 120/208, 240/416 VOLT 3 PHASE, 50/60 HZ, SKID MOUNTED: (JETA POWER MODEL D8001M) W/ENGINE ALLIS-CHALMERS MODEL 11000

Reference: FEDERAL SUPPLY CATALOG C9100-IL

Intervals are based on normal hours of operation. Adjust to compensate for abnormal operation and severe conditions or contaminated lubricants. During inactive periods, sufficient lubrication must be performed for adequate preservation.

Clean fittings before lubricating.

Relubricate after washing.

Drain crankcase only when hot after operation; replenish and check level when cool.

WARNING

Dry cleaning solvent, P-D-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 degrees F. (380 C.) - 138 degrees F. (590 C.).

Clean parts with SOLVENT, dry-cleaning (Federal Specification P-D-680). Dry before lubricating.

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

*TOTAL MAN-HR		*TOTAL MAN-HR	
INTERVAL	MAN-HR	INTERVAL	MAN-HR
10	0.2	300	1.0
250	0.2	500	0.2

FOLD **FOLD**

LUBRICANT ●· INTERVAL **INTERVAL ●· LUBRICANT**

Crankcase Oil Drain Hose (Remove plug to drain) (Drain and refill) — 300 OR 6M

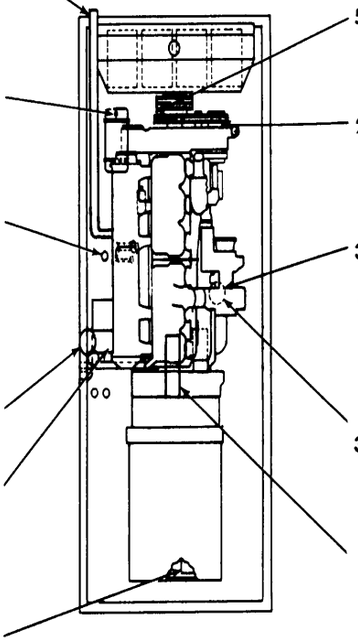
Engine Generator (Sealed bearing no lubrication required)

Crankcase Oil Level Gage (Check level) CAUTION: When OEA Oil is used the level will be checked more often. (See note 4) — 10

Crankcase Oil Fill Cap (See key) — OE/HDO

Starter (Sealed bearings, no lubrication required.)

(Dry type no lubrica- Main Generator (Sealed bearing, no lubrication required.)



500 GAA — Fan Hub (Sparingly)

250 GAA — Water Pump (Sparingly)

300 OR 6M — Oil Filter (Disassemble, clean housings, renew elements, and reassemble.) (See note 2.)

300 OR 6M — Oil Filter Drain Plugs (Drain and reinstall plugs)

Air Cleaner (Dry type no lubrication required)

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES			INTERVALS
		Above +32° F 0° C	+40° F to -10° F +5° C to -23° C	0° F to -65° F -18° C to -50° C	
OE/HDO-LUBRICATING OIL, Engine		OE/HDO 30	OE/HDO 10	OEA	Intervals given are in hours of normal operation
Crankcase	21 qt. (20L)				
Engine Oil Filters (2)	1 qt. ea. (.95L)				
Oil Can Points					
OEA-Lubricating Oil, Artic					
GAA-GREASE, Automotive and Artillery		ALL TEMPERATURES			

NOTES.

1. FOR OPERATION OF EQUIPMENT IN PROTRACTED COLD TEMPERATURES BELOW-100 F. (-230 C). Remove lubricants prescribed in the key for temperatures above-10° F. (-230 C). Clean parts with SOLVENT, dry-cleaning. Relubricate with lubricants specified in the key for temperatures below-100 F. (-230 C)

2. OIL FILTER. After installing new filter element, fill crankcase, operate engine 5 minutes, check housing for leaks, check crankcase oil level and bring to full mark.

3. OIL CAN POINTS. Every 50 hours lubricate hinges, latches, control linkages, and all exposed adjusting threads with OE/HDO.

FOLD

4. OIL LEVEL GAGE. The oil level can be checked with engine running or stopped. The gage is stomped on both sides to indicate two different oil level locations. The engine running side is stamped ADD, FULL, and RUNNING. The STOPPED side is stamped ADD, FULL and STOPPED. Make sure correct side is being read.

DISTRIBUTION: To be distributed in accordance with DA Form 12-25D, (qty rpr block no 1073) Operator maintenance requirements for Generator Sets, Engine Driven, 100 KW, 60 HZ Utility.

4. LUBRICANTS. The following is a list of lubricants with the Military Symbols and applicable Specification numbers.

OE/HDO	MIL-L-2104
OEA	MIL-L-46167
GAA	MIL.-G-10924

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:

FRED C. WEYAND

General, United States Army
Chief of Staff

FOLD

OFFICIAL:

VERNE L. BOWERS

Major General, United States Army
The Adjutant General

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P.S.—IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.

THE METRIC SYSTEM AND EQUIVALENTS

'NEAR MEASURE

. Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches
1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 Inches
1 Kilometer = 1000 Meters = 0.621 Miles

'VEIGHTS

Gram = 0.001 Kilograms = 1000 Milligrams = 0.035 Ounces
1 Kilogram = 1000 Grams = 2.2 lb.
1 Metric Ton = 1000 Kilograms = 1 Megagram = 1.1 Short Tons

LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces
1 Liter = 1000 Milliliters = 33.82 Fluid Ounces

SQUARE MEASURE

1 Sq. Centimeter = 100 Sq. Millimeters = 0.155 Sq. Inches
1 Sq. Meter = 10,000 Sq. Centimeters = 10.76 Sq. Feet
1 Sq. Kilometer = 1,000,000 Sq. Meters = 0.386 Sq. Miles

CUBIC MEASURE

1 Cu. Centimeter = 1000 Cu. Millimeters = 0.06 Cu. Inches
1 Cu. Meter = 1,000,000 Cu. Centimeters = 35.31 Cu. Feet

TEMPERATURE

5/9(°F - 32) = °C
212° Fahrenheit is evuivalent to 100° Celsius
90° Fahrenheit is equivalent to 32.2° Celsius
32° Fahrenheit is equivalent to 0° Celsius
9/5C° + 32 =°F

APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
ıts	Liters	0.473
arts	Liters	0.946
allons	Liters	3.785
Ounces	Grams	28.349
Pounds	Kilograms	0.454
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds per Square Inch	Kilopascals	6.895
Miles per Gallon	Kilometers per Liter	0.425
Miles per Hour	Kilometers per Hour	1.609

TO CHANGE	TO	MULTIPLY BY
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Square Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Milliliters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
ers	Gallons	0.264
ms	Ounces	0.035
ograms	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pounds-Feet	0.738
Kilopascals	Pounds per Square Inch	0.145
lometers per Liter	Miles per Gallon	2.354
meters per Hour	Miles per Hour	0.621