

**LUBRICATION ORDER**  
**30 MAY 1995**

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**COMPRESSOR UNIT, RECIPROCATING**  
**15 CFM, 175 PSI**  
**DIESEL ENGINE DRIVEN,**  
**TRAILER MOUNTED**  
**MODEL CUE57-6DY-TM**  
**(4310-01-364-4316)**

References: TM9-4310-396-13, TM94310-396-23P

**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) directly to Commander, US Army Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd, St. Louis, MO 63120-1798. A reply will be furnished to you.

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**NOTES**

This LO is for crew (C) or unit (O) maintenance. Lube intervals (on-condition or hard time) are based on normal operation. Lube more during constant use, and less during inactive periods. Use correct grade of lubricant for seasonal temperature expected.

Clean parts with dry cleaning solvent defined in **KEY**. Use cleaning compound solvent (PBC) on powder fouled parts. Dry before lubricating. DO NOT use fluid or semi-fluid lubricant on SFD lubricated surface. Wipe surface dry.

Before you start your lube service

**ALWAYS**

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

**NEVER**

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

**1-1 GENERAL.**

**1-1.1 Corrosion Prevention and Control.** Refer to Technical Manual TM94310-396-13, Chapter 1, Section 1-3 for information concerning corrosion problems.

**1-1.2 Hard Time Intervals.** This 15 cfm, 175 psi air compressor is not enrolled in the Army Oil Analysis Program. Hard time intervals apply. Hard time intervals are defined as harsh operating conditions such as high ambient temperatures, extreme cold, high humidity, and high dusty or sandy conditions. Unusually high demands or heavy usage also qualify. Should the compressor run loaded 75% or more of the time during operation would be considered as a period of heavy use.

**1-1.3 Hard Time Oil Service.** For equipment under manufacturer's warranty, hard time oil service intervals shall be followed. Intervals shall be shortened if lubricants are known to be contaminated or if operation is under adverse conditions such as longer than usual operating hours, extended idling periods, or extreme dusty conditions.

**2-1 LUBRICATION PROCEDURES.**

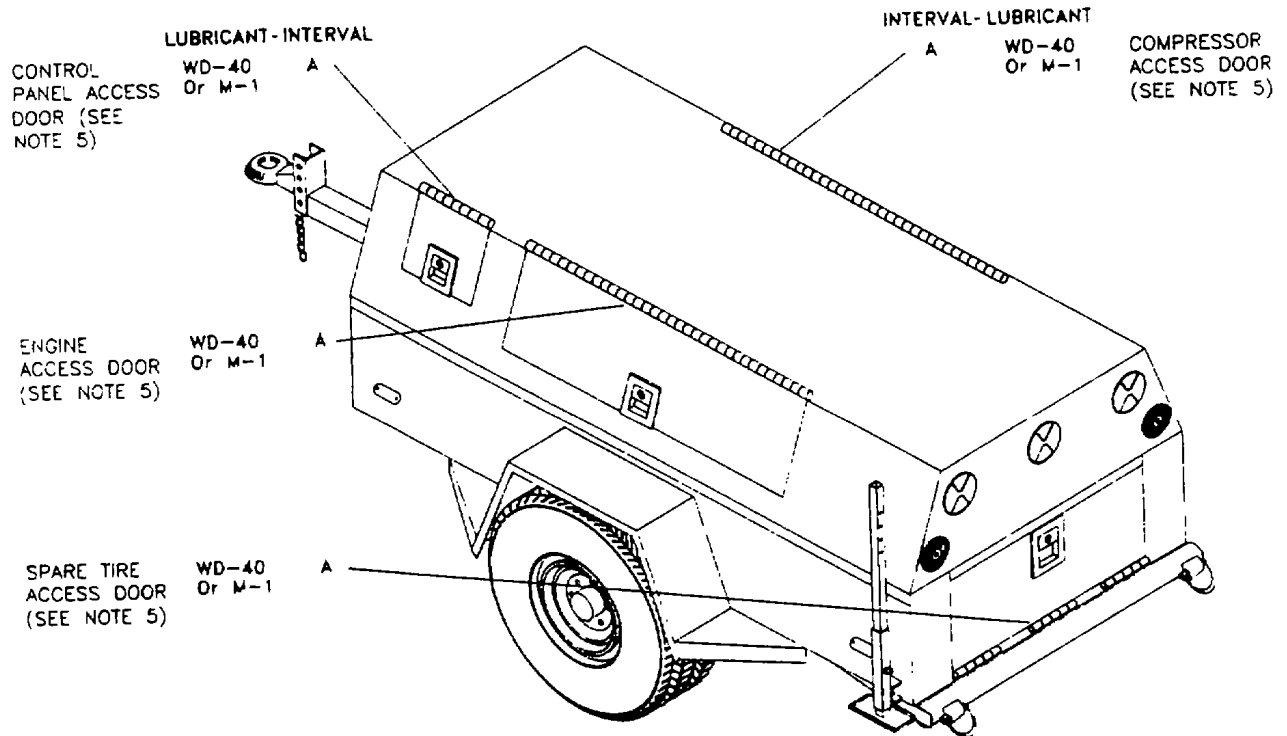
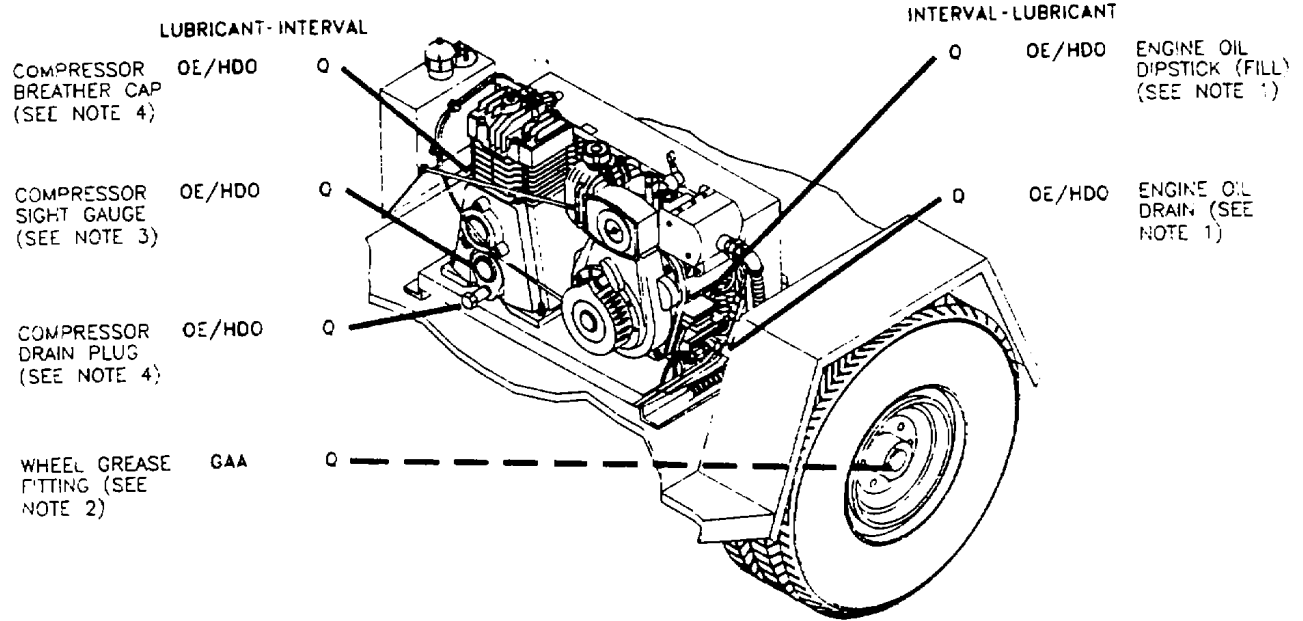
**2-1.1 General.** Keep all lubricants in closed containers and store in a clean, dry place away from external heat. Keep container covers clean to prevent dirt, dust, or other foreign material from mixing with the lubricants. Keep all lubrication equipment clean and ready for use.

**2-1.2 Cleaning.** Keep all external parts not requiring lubrication free of lubricants. Before lubricating the equipment, wipe all lubrication points free of lubricants, dirt, and grease. Clean all lubrication points after servicing to prevent the accumulation of foreign matter.

**2-1.3 1 Lubrication Points.** Service the lubrication points at the proper intervals as specified in the lubrication procedure. The intervals specified are based on normal operation. Modifications of the recommended interval may be required when operating under unusual conditions.

**NOTE**

On the picture a dash line (---) means lube points on both sides.



TOTAL TASK-HOUR		TOTAL TASK-HOUR	
Interval	Man Hr.	Interval of Greasing	Man Hr.
Q	.5	A	.3

KEY

LUBRICANTS MIL. SYMBOL SPECIFICATION	COMPONENTS & CAPACITY (APP)	EXPECTED TEMPERATURES																		
		*F	<-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	100	110	120
		*C	<-46	-40	-34	-29	-23	-18	-12	-7	-1	4	10	16	21	27	32	38	44	49
DE/HDO MIL-L-2104 LUBRICATING OIL, ICE, COMBAT/ TACTICAL SERVICE or DEA MIL-L-46167 OIL, ICE	ENGINE 1.25 QTS (1.19 L)																			
	COMPRESSOR 2 QTS (1.9 L)																			
GAA MIL-G-10924 GREASE, AUTOMOTIVE AND ARTILLERY	WHEELS (as reqd)																			
P-D-680A TYPE III SOLVENT, DRY CLEANING & DEGREASING	(as reqd)																			

NOTES:

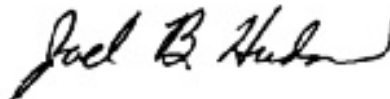
1. Place a suitable container no more than four (4) inches high under the engine oil drain plug. Remove drain plug and allow the oil to completely drain from the crankcase. Reinstall drain plug. Discard used oil. Remove oil dipstick. Unscrew handle to release, and pull dipstick out. Fill crankcase through the dipstick opening with oil defined in KEY. Do not thread dipstick in place to check level. Check oil level with dipstick daily, before operating. Level should be between marks on the dipstick. Install dipstick and screw in finger tight. Perform these procedures every 90 days. These instructions are mandatory.

2. On end of axle hub, remove rubber cap using a screwdriver or prybar. Wipe grease fittings located on inner side of hub, clean with a clean, lint-free cloth. Lubricate grease fitting with grease defined in KEY. Replace rubber cap and insure that cap is secure in fitting groove. Perform these procedures every 90 days. These instructions are mandatory.
3. Check that oil level is in center of sight gauge to ensure that crankcase is properly filled with oil. To add oil, remove oil breather cap and add oil until sight gauge level is correct. Reinstall the oil breather cap. Check oil level daily, before operating.
4. Place a suitable container no more than four (4) inches high under the air compressor oil drain plug. Remove the drain plug and allow the oil to completely drain from the crankcase. Reinstall the drain plug. Discard the used oil. Remove the oil breather cap and wipe clean. Fill compressor with oil as defined in KEY. Reinstall oil breather cap. Perform these procedures every 90 days. These instructions are mandatory.
5. Lubricate the four access doors using a spray-on type lubricant similar to commercial WD-40 or M-1 lubricant. Perform this procedure yearly or when access doors appear stiff or hard to move from normal operation. This instruction is mandatory.

**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:**

Official



JOEL B. UDSON  
*Acting Administrative Assistant to the  
Secretary of the Army*  
00378

GORDON R. SULLIVAN  
*General, United States Army*  
Chief of Staff

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