

LUBRICATION

ORDER

26 MARCH 1971 (Supersedes LO5-3810-201-12-2, dtd 9 Feb 1968 and LO5-3810-206-12-2, dtd 18 Mar 1968)

LO5-3810-206-12-2

**CRANE-SHOVEL, BASIC UNIT, CRAWLER MOUNTED, 40 TON, 2 CU YD
DIESEL DRIVEN, (HARNISCHFEGER MODEL 855 BG, 855 BG-2 AND
855 BG-3) W/HARNISCHFEGER ENGINE MODEL 687C-18-ES AND
CATERPILLAR ENGINE MODELS D333TA AND D333C**

Reference LO5-3810-206-12-1, -3, -4 and 5 C9100-IL

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

Clean parts with SOLVENT, dry-cleaning, or with OIL, fuel, Diesel. Dry before lubricating.

Clean fittings before lubricating.

Lubricate points indicated by dotted arrow shafts on both sides of equipment.

A dotted circle indicates a drain below.

Relubricate after washing or fording.

Drain crankcases when hot. Fill and check level

FOLD

FOLD

LUBRICANT • INTERVAL

Fan Hub
(sealed bearings no lubrication required)

Crankcase Fill Cap
(See Key.)

Oil filters
(See key) (Disassemble, clean housing and renew element) (See note 4.)

Crankcase Drain Cock
(Drain and refill)

Crank level Dip-Stick
(Check level)

CAUTION: When OES oil is used the level will be checked more often.

Starter Inbound Bearing
(Remove motor and fill oil cup located inside case) (Sparingly)

INTERVAL • LUBRICANT

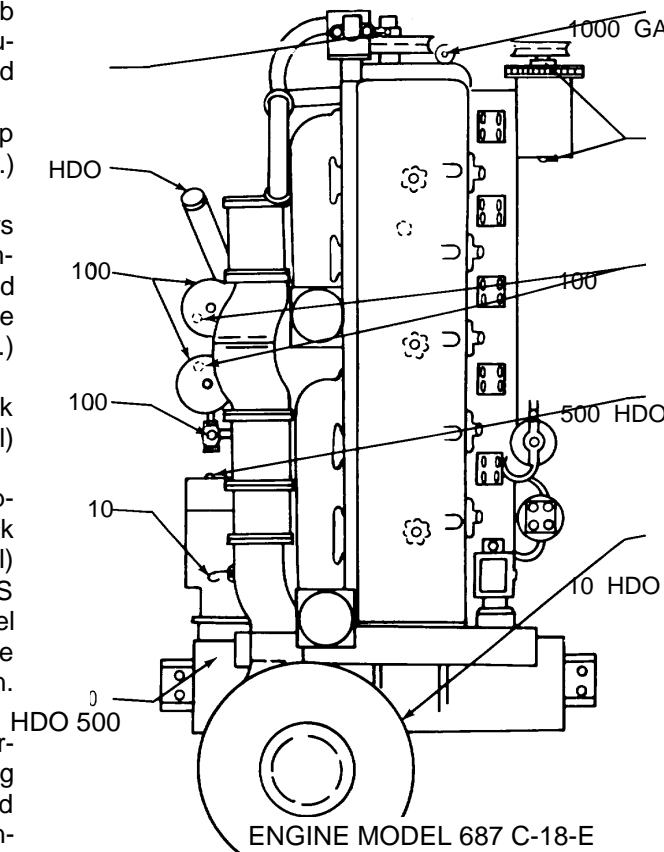
Pierce Governor Drive Gear

Generator
(Sealed bearings no lubrication required.)

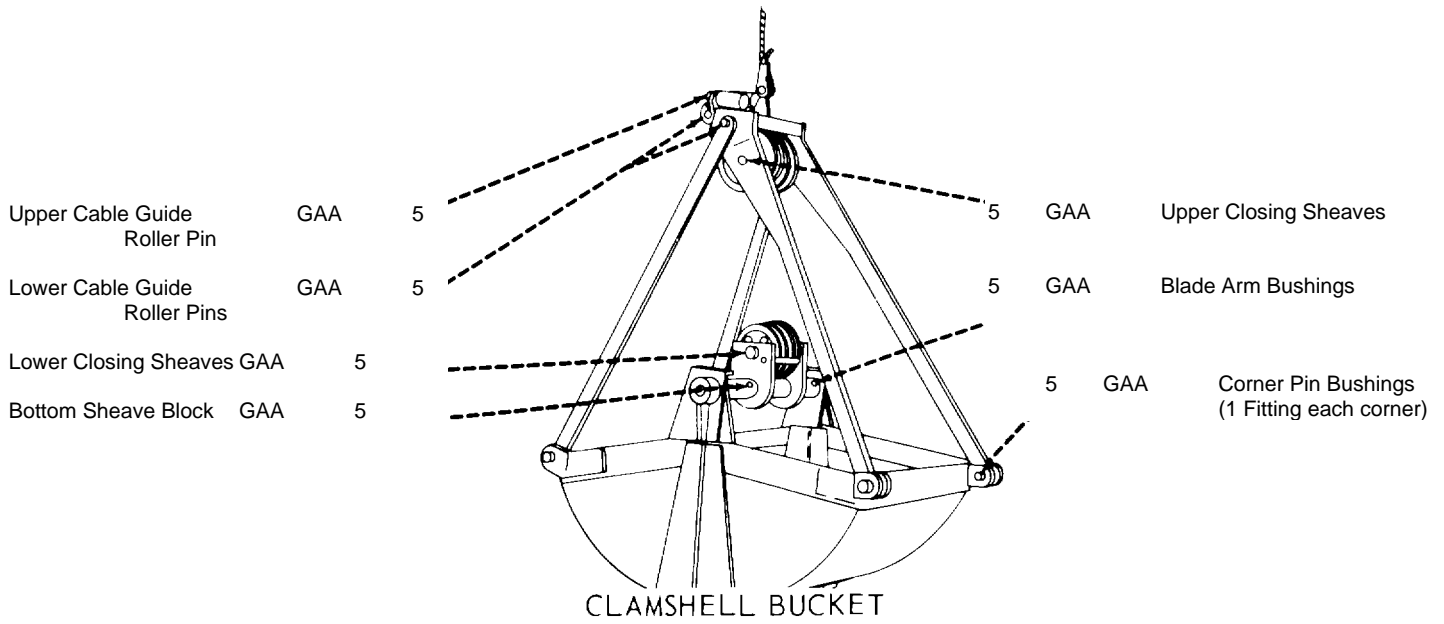
Oil filter Drain Plugs
(Drain sediment every 50 service hours)

Starter Outboard Bearing
(Sparingly)

Air Cleaner
(See key) (Check and refill oil reservoir to level mark) (Every 50 service hours, disassemble entire unit, clean, fill and reassemble.



ENGINE MODEL 687 C-18-E



FOLD

FOLD

- KEY -

LUBRICANTS	CAPICITY	EXPECTED TEMPERATURES			INTERVALS
		ABOVE +32° F	+40° F TO -10° F	0° F TO -65° F	
HDO-OIL, Engine, Heavy Duty	34 qts	HDO 30	HDO 10	OES	Intervals given are in hours of normal operations
Crankcase w/ Filters					
Oil Can Points					
Air Cleaner	4 1/2 qts	ALL TEMPERATURES			
OES-OIL, Engine, Sub-zero					
GAA-GREASE, Automotive and Artillery					

NOTES:

- FOR OPERATION OF EQUIPMENT IN PROTRACTED COLD TEMPERATURES BELOW 10° F.**
Remove lubricant prescribed in the key for temperature above 10° F. Relubricate with lubricants specified in the key for temperatures below 10° F.
- OIL CAN POINTS.** Every 10 service hours lubricate all linkage, pins and clevises with HDO.
- CABLES.** Keep cables clean and lubricated with HDO. **CAUTION: Do not lubricate cables coming in contact with excavated materials.**
- ENGINES OIL FILTERS.** Every 100 hours remove filter element, clean housing, install new element, fill crankcase, operate engine for five minutes, check for leaks.

5. LUBRICANTS. The following is a list of lubricants with the Military Symbols and applicable specification numbers.
OES MIL-L-10295 GAA MIL-G-10924 HDO MIL-L-45199

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:

W.C. WESTMORELAND
General, United States Army,
Chief of Staff

OFFICAL:

KENNETH G. WICKHAM
Major General, United States Army,
The Adjutant General

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