CRANE-SHOVEL, BASIC UNIT, TRUCK MOUNTED: 20 TON,3/4
CU. YD; GASOLINE ENGINE, 6X6 (AMERICAN HOIST &
DERRICK MODELS W-2360 (WINTERIZED) & 2360
(NON-WINTERIZED) W/CONTINENTAL ENGINE
MODELSS749 (CARRIER) BS415 (CRANE)

Reference: LO 5-3810-227-15-1, -2, and -4 C 9100-SL

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

Clean fittings before lubricating. Relubricate after washing or fording. Clean ports with SOLVENT, dry-cleaning, or with OIL, fuel, Diesel. Dry before lubricating.

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

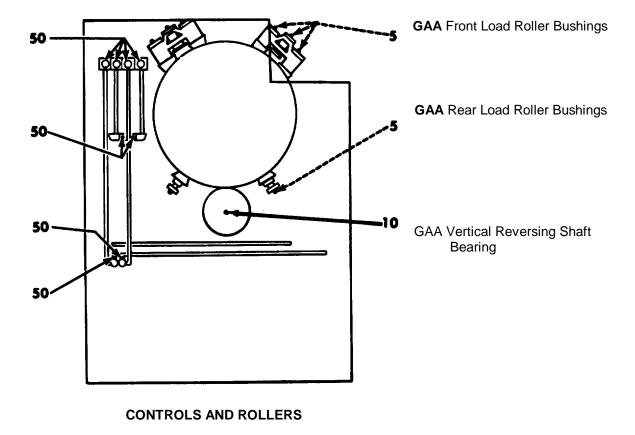
LUBRICANT ● INTERVAL ■ INTERVAL ● LUBRICANT

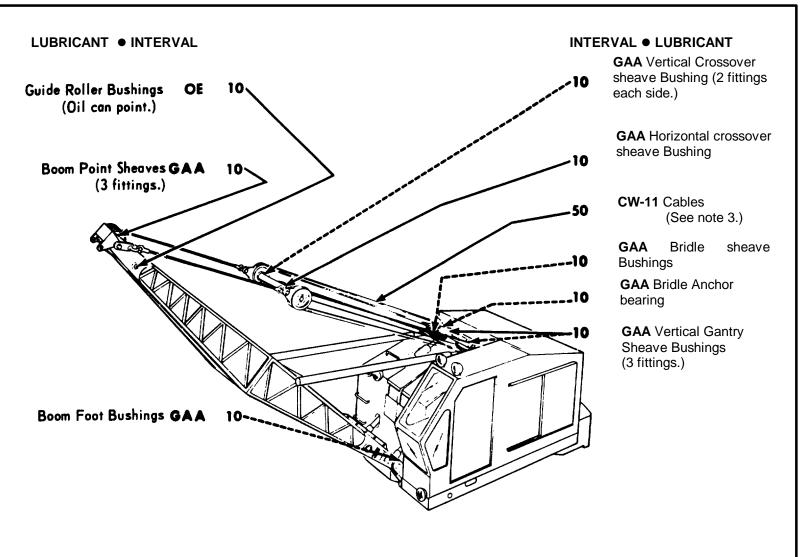
Control Levers and Brake **GAA**Pedal Bushings

Hoist Drum Brake Shaft **GAA**Bushings

Boom Hoist Control Bellcrank GAA

Swing Control Bellcrank GAA





BOOM AND GANTRY

- KEY -

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES			INTERVALS
		Above +32°F	+40°F to -10°F	0°F to -65°F	
OE-OIL, Engine, Heavy Duty		OE 30	OE 10		Intervals
Oil Can Points		or	or	OES	given are
OES-OIL, Engine, Sub-zero		9250	9110		in hours
CW-11-LUBRICATING OIL, Exposed Gear		All Temperatures			of normal
GAA-GREASE, Automotive and Artillery					operation.

NOTES:

- 1. FOR OPERATION OF EQUIPMENT IN PROTRACTED COLD TEMPERATURES BELOW -100F. Remove lubricants prescribed in the key for temperatures above -100F. Clean ports with SOLVENT, dry-cleaning. Relubricate with lubricants specified in the key for temperatures below -100F.
- 2. OIL CAN POINTS. Every 50 hours lubricate control linkages, pins and clevises, and all exposed adjusting threads with OE.
- 3. CABLES. Every 50 hours clean and coat all cables with CW11 except those coming in constant contact with dirt or excavated materials.

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:

EARLE G. WHEELER, General, United States Army, Chief of Staff.

OFFICIAL:

J. C. LAMBERT,

Major General, United States Army, The Adjutant General.

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SOME					
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BE EXACT PIN-POINT WHERE IT IS IN THIS SPACE TO	ELL WHAT IS WRONG				
	LD BE DONE ABOUT IT.				
	SIGN HERE				

The Metric System and Equivalents

Linear Measure

- 1 centimeter = 10 millimeters = .39 inch
- 1 decimeter = 10 centimeters = 3.94 inches
- 1 meter = 10 decimeters = 39.37 inches
- 1 dekameter = 10 meters = 32.8 feet
- 1 hectometer = 10 dekameters = 328.08 feet
- 1 kilometer = 10 hectometers = 3,280.8 feet

Weights

- 1 centigram = 10 milligrams = .15 grain
- 1 decigram = 10 centigrams = 1.54 grains
- 1 gram = 10 decigram = .035 ounce
- 1 decagram = 10 grams = .35 ounce
- 1 hectogram = 10 decagrams = 3.52 ounces
- 1 kilogram = 10 hectograms = 2.2 pounds
- 1 quintal = 100 kilograms = 220.46 pounds
- 1 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

- 1 centiliter = 10 milliters = .34 fl. ounce
- 1 deciliter = 10 centiliters = 3.38 fl. ounces
- 1 liter = 10 deciliters = 33.81 fl. ounces
- 1 dekaliter = 10 liters = 2.64 gallons
- 1 hectoliter = 10 dekaliters = 26.42 gallons
- 1 kiloliter = 10 hectoliters = 264.18 gallons

Square Measure

- 1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
- 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
- 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
- 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
- 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
- 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

- 1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
- 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
- 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

To change	То	Multiply by	To change	То	Multiply by
inches	centimeters	2.540	ounce-inches	Newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29,573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	Newton-meters	1.356	metric tons	short tons	1.102
pound-inches	Newton-meters	.11296			

Temperature (Exact)

°F	Fahrenheit	5/9 (after	Celsius	°C
	temperature	subtracting 32)	temperature	

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