(Supersedes LO 55-1915-200-12, 11 April 1988.)

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LOGISTICS SUPPORT VESSEL (LSV)

Reference TM 55-1915-200-10, TM 55-1915-200-24&P, C 9100-IL, TM 55-1915-215-24&P

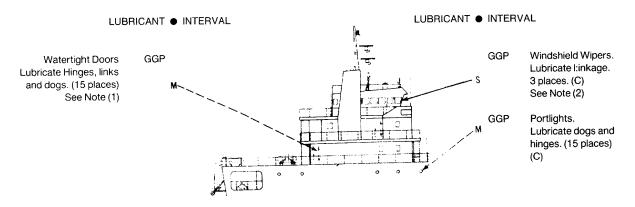
Intervals (on condition or hard time) and the related man-hour times are based on normal operation. The man-hour time specified is the time you need to do a!! the services prescribed for a particular interval. Oncondition (OC) oil sample intervals shall be applied unless changed by the Army Oil Analysis Program (AOAP) laboratory. Change the hard time interval if your lubricants are contaminated or if you are operating the equipment under adverse operating conditions, including longer-than-usual operating hours. The hard time interval may be extended during periods of low activity. If extended, adequate preservation precautions must be taken. Hard time intervals will be applied in the event AOAP laboratory support is not available.

Clean fittings before lubricating. Clean parts with DRY CLEANING SOLVENT (SD), type II or equivalent. Relubricate all areas exposed to water after vessel operation. Dry before lubricating. Dotted arrow points indicate lubrication on both sides of the equipment.

The lowest level of maintenance authorized to lubricate a point is indicated by one of the following: Operator/crew (C) or Organizational Maintenance (O).

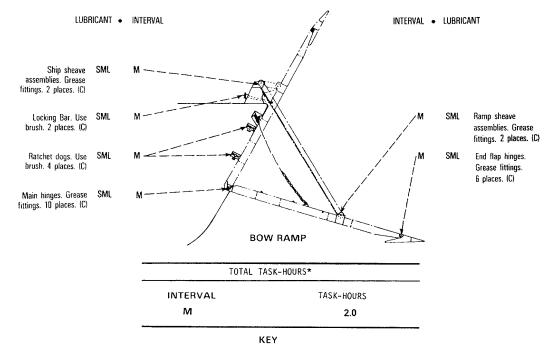
You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to Commander, U.S. Army Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow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

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

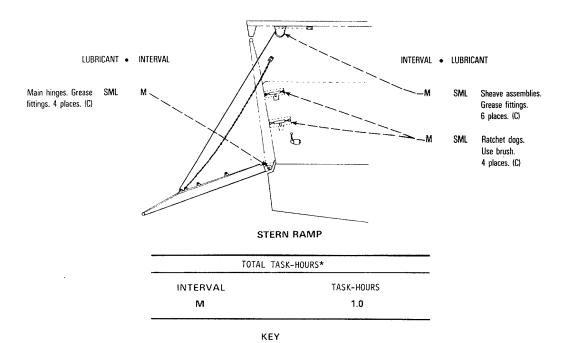


PARTIAL DECK VIEW

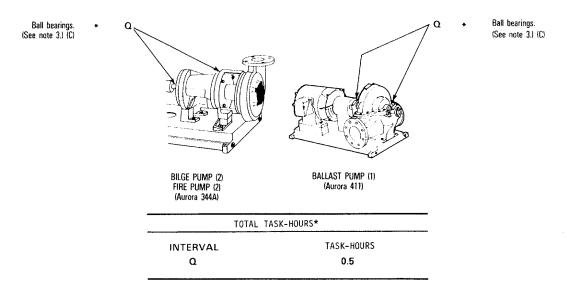
	TOTAL TASK-HOURS			TOTAL TASK-HOURS*			
INTERVAL M		TASK-HOURS 2.1		INTERVAL S		TASK-HOURS 0.7	
			KEY				
			EXPECTED TEMPERATURES			ion 77	
LUBRIC	CANTS	CAPACITIES	Above + 32°F Above 0°C	+ 40°F to -10°F + 5°C to -23°C		operat FM 9-2(INTERVALS
	Grease, general ourpose	As Required		All Temperatures		For arctic operation refer to FM 9-207	M - Monthly S - Semi- annually



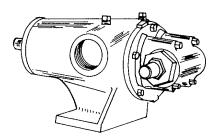
			EXPECTED TEMPER	ation 207		
	LUBRICANTS	CAPACITIES	Above +32°F +40°F to -10°F Above 0°C +5°C to -23°C		c opera FM 9.	INTERVALS
SML	(MacGregor-Navire Special Marine Lubri- cant)	As Required	All Temperatures		For arcti refer to	M · Monthly



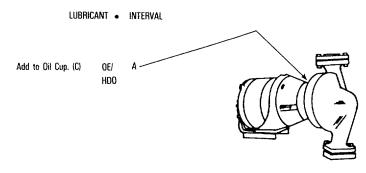
EXPECTED TEMPERATURES For arctic operation refer to FM 9.207 Above +32°F +40°F to -10°F 0°F to -65°F INTERVALS **LUBRICANTS** CAPACITIES Above 0°C +5°C to -23°C 18°C to -50°C (MacGregor-Navire Special Marine Lubri-SML M - Monthly As Required Temperatures cant)



		EXPECTED TEMPERATURES		ntion 207	
LUBRI	CANTS	CAPACITIES	Above +32°F +40°F to -10°F 0°F to -65°F Above 0°C +5°C to -23°C -18°C to -50°C	ic opera o FM 9.:	INTERVALS
* (MIL-G-24139)	Grease, multipur- pose, Water resistant	As Required	All Temperatures	For arct refer t	Q - Quarterly (3 months)



Fuel Oil Transfer Pump (2) Lube Oil Transfer Pump (1) Sludge Pump (1) (Viking HL-195-D) See Note 4.



HOT WATER CIRCULATING PUMP (ARMSTRONG H-32)

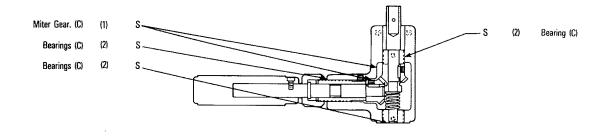
	TOTAL TASK-HOURS*
INTERVAL	TASK-HOURS
Α	0.2
Α	0.2

KEY

LUBRICANTS CAPACITIES		EXPECTED TEMPERATURES	tion 107		
			Above +32°F +40°F to 10°F 0°F to 65°F Above 0°C +5°C to 23°C 18°C to 50°C		INTERVALS
OE/HDO-30 (MIL-G-2104)	Lubricating Oil, Engine	0.5 oz (15 ml)	All Temperatures	For arct refer to	A · Annually (12 months)

LUBRICANT • INTERVAL

INTERVAL • LUBRICANT

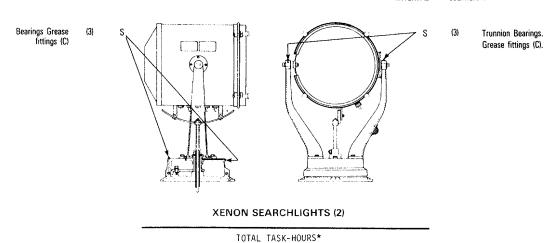


SEARCHLIGHT CONTROL HANDLE (2)

TOTAL TA	ASK-HOURS*
INTERVAL	TASK-HOURS
S	0.3

KEY

			EXPECTED TEMPERATURES			
LUI	BRICANTS	CAPACITIES	Above +32°F +40°F to -10°F Above 0°C +5°C to -23°C	1	eration 9-207	INTERVALS
(1) 4511G	Grease, Carlisle and Finch Co.	As Required	All Temperatures		arctic ope er to FM	S - Semi- annually
(2) 4511B	Grease, Carlisle and Finch Co.	As Required	All Temperatures		For a	(6 months)



KEY

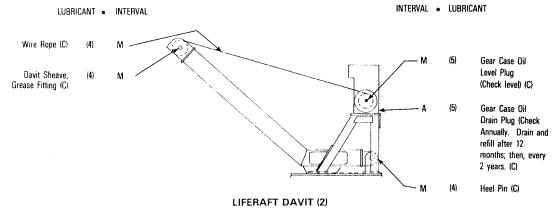
INTERVAL

s

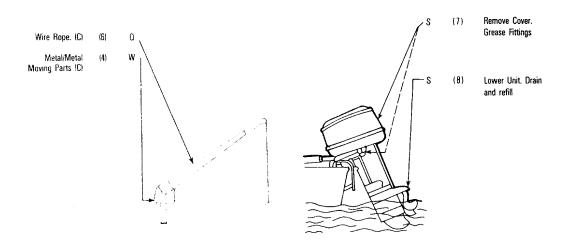
		EXPECTED TEMPERATURES			ticn 207	
LUBRICANTS	CAPACITIES		+40°F to -10°F +5°C to -23°C	0°F to -65°F -18°C to -50°C	ic opera 5 FM 9-2	INTERVALS
(3) Grease, Waterproof, wide temperature, Fiske Brothers Lubriplate MAG-1	As Required		All Temperatures		For arcti refer to	S - Semi- annually (6 months)

TASK-HOURS

0.5



TOTAL TACK HOL	IDC#	1		TOTAL TACK HOLL	DC*	
TOTAL TASK-HOO	TOTAL TASK-HOURS			TOTAL TASK-HOU		
INTERVAL TASK-HOURS			INTERVAL		TASK-HOURS	
M A	0.7 0.3		В		1.0	
		KEY				
		EXPECTED TEMPERATURES				
LUBRICANTS	CAPACITIES	Above · 32°F Above 0°C	+40°F to -10°F +5°C to -23°C	1	operation FM 9-207	INTERVAL
(4) MOBILUX No. 2 Grease	As Required	All Temperatures		5 tic	M - Monthly A - Annually	
(5) MOBILGEAR 629	As Required	MOBILGEAR 632	MOBILGEAR 629		For are refer	(12 months) B · Biennially (2 years)



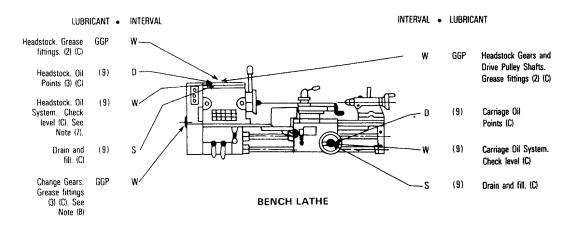
RESCUE/WORKBOAT DAVIT

WORKBOAT OUTBOARD MOTOR

TOTAL TASK	HOURS*	TOTAL TA	ASK-HOURS*
INTERVAL	TASK-HOURS	INTERVAL	TASK-HOURS
W Q	0.4 0.5	s	1.0

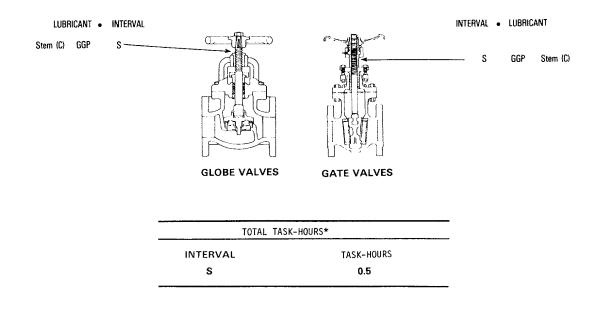
KEY

		EXPECTED TEMPERATURES			
LUBRICANTS	CAPACITIES	Above ·32°F · 40°F to 10°F Above 0°C · 5°C to 23°C	0°F to 65°F 18°C to 50°C		INTERVALS
(6) MOBILARMA - 798	As Required	All Temperatures		rctic operation r to FM 9 207	W-Weekly 0 - Quarterly (3 months) S - Semi-
(4) MOBILUX No. 2 Grease	As Required	All Temperatures			
(7) OMC- Grease, saltwater LUBRIMATIC resistant	As Required	All Temperatures		For arc (6 mon	
(8)OMC-GEARLUBE Lubricant, lower unit	11 oz (325 ml)	All Temperatures			



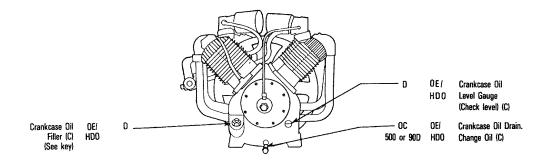
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TO	OTAL TASK-HOURS*			TOTAL TASK-HOURS*				
INTERVAL TASK-HOURS			INTERVAL		TASK-HOURS			
D W		0.5 0.5	s		1	.0		
		.,	KEY					
			EXPECTED TEMPERATURES		ATURES			
LUBRICAN	NTS	CAPACITIES	Above · 32°F Above 0°C	40°F to 10°F 5°C to 23°C	0°F to 65°F 18°C to 50°C	9 207	INTERVALS	
(9) SHELL TELLUS 32		As Required	All Temperatures			ruc opi	D Daily W Weekly S Semi-	
	rease, general urpose	As Required	All			For a	Annually (6 months)	



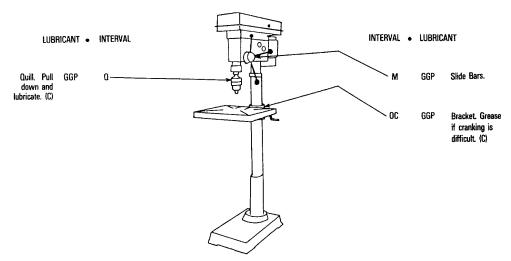
			EXPECTED	ation 207			
LUBRICANTS		CAPACITIES	Above +32°F +40°F Above 0°C +5°C			c opere	INTERVALS
GGP (MIL-G-23549)	Grease, general purpose	As Required		All eratures		For arctire refer to	S-Semi- annually (6 months)

KEY



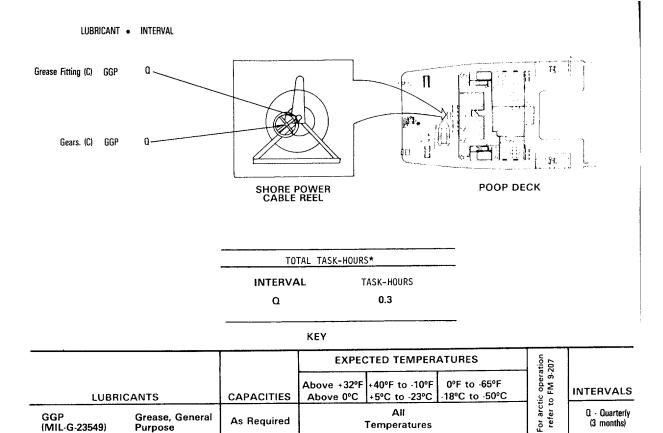
PORTABLE AIR COMPRESSOR

TOTAL TASK-HOURS*				TOTAL TASK-HOURS*			
INTERVAL D		TASK-HOURS 0.1		INTERVAL OC OR 500 or 90D		TASK-H0 0.5	URS
			KEY				
			EXPE	CTED TEMPER	ATURES	tion 207	
LUBI	RICANTS	CAPACITIES		+40°F to -10°F +5°C to -23°C	1	ic operation FM 9-207	INTERVALS
OE/HDO (MIL-G-2104)	Lubricating Oil, Engine	As Required	OE/HDO 30	OE/HDD 10		For arctic refer to	D · Daily OC-Continue



DRILL PRESS

TOTAL TASK-HOURS*				TOTAL TASK-HOURS*			
•		ASK-HOURS 0.1		INTERVAL		TASK-HOURS 0.1	
M		oc			0.1		
			KEY				
			EXPECTED TEMPERATURES			eration 9-207	
LUBRICANTS		CAPACITIES		+40°F to -10°F +5°C to -23°C	0°F to -65°F -18°C to -50°C	g ₹	INTERVAL M · Monthly
GGP (MIL-G-23549)	Grease, general purpose	As Required		All Temperatures			

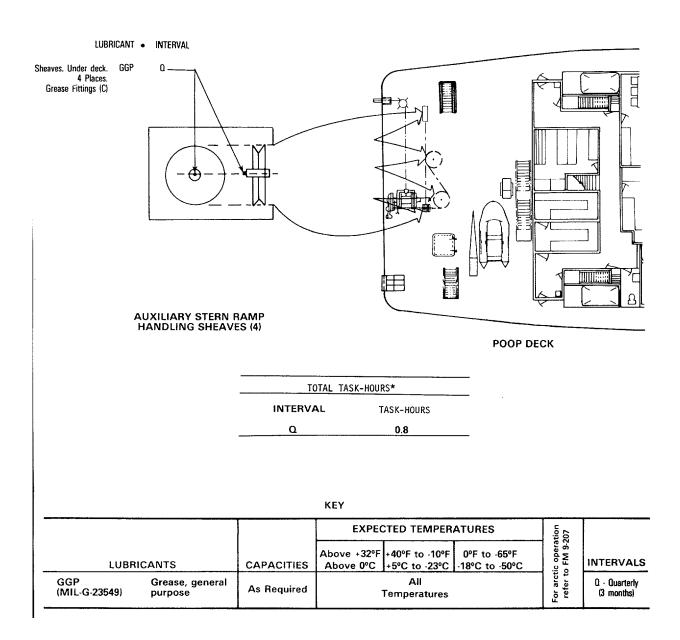


LO 55-1915-200-12 CARD 9 of 14

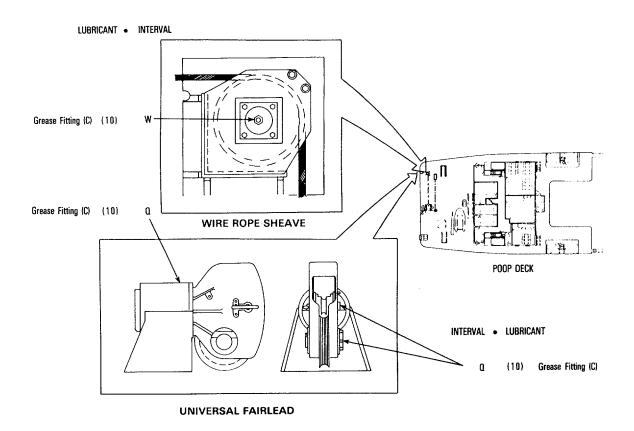
Temperatures

As Required

Purpose



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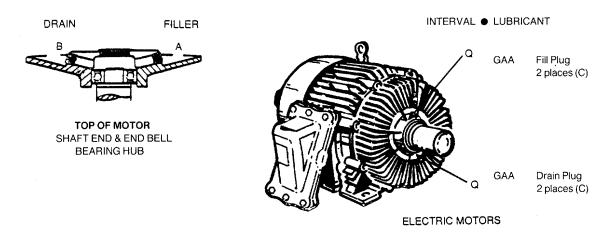


TOTAL	TASK-HOURS*	_
INTERVAL	TASK-HOURS	
W Q	0.2 0.2	

v	c	v

		EXPECTED TEMPERATURES	ation 207	
LUBRICANTS	CAPACITIES	Above +32°F +40°F to -10°F 0°F to -65°F Above 0°C +5°C to -23°C -18°C to -50°C	Lic opera to FM 9.3	INTERVALS
(10) MOBILUX EP 1	As Required	All Temperatures	For arct refer t	W - Weekly Q - Quarterly (3 months)

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WARNING

Disconnect power before working on motor driven equipment. Motors with automatic thermal protectors will automatically restart when the protector temperature drops sufficiently. Do not use motors with automatic thermal protectors in applications where automatic restart will be hazardous to personnel or equipment.

RELUBRICATION PERIOD

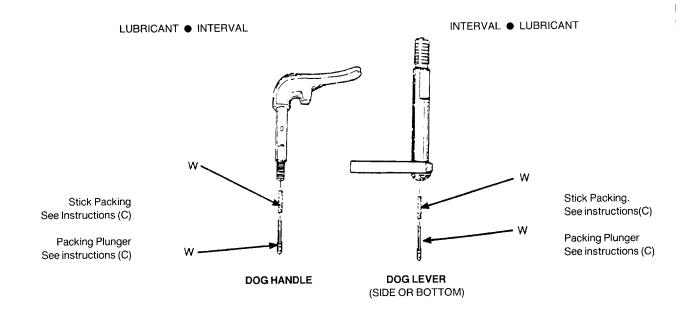
Frame Size @ 900, 1200 & Var. Speed	Relub. Period @ Std. Conditions (8 hr. /day, normal to light loading 100° F max. amb.)	Severe Conditions		Extreme Conditions
140-180 210-280 320-400 440-508 510	4.5 Years 4.0 Years 3.5 Years 3.0 Years 2.5 Years	18 Months 16 Months 13 Months 12 Months 11 1/2 Months		9 Months 8 Months 7 Months 6 Months 6 Months
Frame Size @ 1800 RPE	Std. Conditions	Severe Conditions		Extreme Conditions
140-180 210-280 320-400 440-508 510	3.0 Years 2.5 Years 2.0 Years 1.5 Years 1.0 Years	1 Year 10 1/2 Months 9 Months 8 Months 6 Months		6 Months 5 1/2 Months 4 1/2 Months 4 Months 3/2 Months
All Motors over 1800 RPM	6 Months	3 Months	3 Months	

For roller bearings: Divide above times by 3.

KEY

LUBRICANTS			EXPECTED TEMPERATURES			ation 207	
		CAPACITIES		+ 40°F to -10°F + 5°C to -23°C		ခ်ုံ	INTERVALS
Grease, GAA automotive A (MIL-G-10924-F) and artillery		As Required		All Temperatures		For arctic refer to	Q - Quarterly (3 months)

STANDARD CONDITIONS: Eight hours per day, normal or light loading, clean 100°F maximum ambient. SEVERE CONDITIONS: Twenty-four hours per day operation, or shock loadings, vibration, or in dirt or dust at 100° to 150°F ambient. EXTREME CONDITIONS: Heavy shock or vibration, dirt or dust at 100° to 150°F ambient.



WATERTIGHT DOOR AND HATCH FITTINGS

INSTRUCTIONS: Turn packing plunger clockwise 1/2 turn, once a week, till it stops. Then remove and insert a new stick packing (a type of hardened grease). Reinstall packing plunger.

KEY

		EXPECTED TEMPERATURES
LUBRICANTS	CAPACITIES	Above + 32°F + 40°F to -10°F 0°F to -65°F 0°
Stick Packing	As Required	All Temperatures Unit of the part of the p

CARD 13 OF 14

NOTES:

- DOORS. Clean all paint from water tight door seals as required.
- WINDSHIELD WIPERS. Every six months inject 1/2 ounce lubricating oil (Sprague Wiper Lube, part number Y-143 is recommended) into each motor at a location as close to the motor valve as possible. Allow motor to run 15 minutes. (Remove arm).
- BALL BEARINGS. At times it may be necessary to clean the bearings due to accumulated dirt or deteriorated lubricants. This can be accomplished by flushing the bearing with a light oil heated to 180 to 200°
- F. While rotating it on a spindle, wipe the bearing housing with a clean rag soaked in a cleaning solvent and flush all surfaces. Dry bearing thoroughly before relubricating. Over lubrication should be avoided as it may result in overheating and possible bearing failure. Under normal application, adequate lubrication is assured if the amount of grease is maintained at 1/3 to 1.5 the capacity of the bearing and adjacent space surrounding it. Use only clean grease from clean containers, and use care to keep it clean. Never open a bearing housing in a dusty atmosphere. Never open a bearing housing without cleaning off all dirt from adjacent surfaces. Always protect an exposed bearing with a protective cover.
- STORAGE. If the pump is to be stored or not used for any appreciable length of time it should be drained and a light coat of lubricating and preservative oil should be applied to the internal parts.
- All oiling points consist of ball-seal, spring-loaded type fittings and use SHELL TELLUS 32 lubricant.
- 6. HEADSTOCK. Oil is added to the fill holes located directly above the two separate bearings. The front bearing oil hole is visible on the top of the headstock housing. The rear oil hole is located under the headstock cover. The fill holes are covered with plastic caps that must be kept in place when not adding oil. The sight gauges are located on the front of the headstock housing in line with each bearing.

- CHANGE GEARS. Access to lubrication points is accomplished by opening the cover on the left end of the headstock. In addition to servicing grease fittings, keep a light coating of grease on the exposed teeth of the change gears.
- OIL CAN POINTS. Lubricate daily the oil fittings in the carriage, compound rest and ways, lead screw and half nut, quickchange gear box and the tailstock.
- A light coating of grease is to be applied to the half nut and the carriage cross travel worm gear on a twicemonthly basis.
- 10. ELECTRIC MOTOR. This motor has been properly lubricated at the time of manufacture and is not necessary to lubricate at time of installattn. If the motor has been in storage for a period of six months or greater, relubricate before starting.

To lubricate:

- 1. Stop motor.
- Wipe clean all grease fittings. (Filler and drain) 3. Remove filler and drain plugs. A and B.
- Free drain hole of any hard grease (use piece of wire if necessary).
- Add Grease using a low pressure grease gun.
- Start motor and let run approximately 30 minutes.
- Stop motor, wipe off any drained grease, and replace filler and drain plugs.
- 8. Motor is ready for operation.
 - The amount of grease added is very important. Only enough grease should be added to replace the grease used by the bearing. Too much grease can be as harmful as insufficient grease. Every four years (every year in the case of severe duty) motors with open bearings should be thoroughly cleaned, washed and repacked with grease. The quantity of grease is important. The grease cavity should be filled 1/3 to 1/2 full. Too much grease is as detrimental as insufficient grease. If lubrication instructions are shown on motor, they will supersede this general instruction.

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:

Mitte of Shoulton

MILTON H. HAMILTON Administrative Assistant to the Secretary of the Army 05490

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