120 Inch Bridge Crane Lubrication

LUBRICATION CHART
Moffett Crane

1. CRANE WHEEL BEARINGS
   Lubricate weekly by pressure gun filled with Gargoyle Grease Soverex No. 1. Inspect wheels at regular intervals for evidence of abnormal wear on tracks or flanges. Check alignment and condition of rails if wear is observed.

2. AUXILIARY HOIST-MOTOR BRAKE
   SOLENOID TYPE: Lubricate linkage twice weekly with oil can filled with Gargoyle Vactra Oil Heavy Medium. Keep air gap and shoes adjusted according to nameplate instructions.
   Check Type Filled
   THRUSTOR TYPE: Lubricate oil linkage twice weekly with oil can filled with Gargoyle Vactra Oil Heavy Medium. Refer to brake manufacturer's maintenance bulletin.

3. AUXILIARY HOIST-MOTOR BEARINGS
   Lubricate every 6 months with pressure gun filled with Gargoyle Grease BNS No. 1. (Do not over lubricate).

4. AUXILIARY HOIST-MOTOR CASE
   Drain and refill once each 6 months. Check oil level weekly. Use Gargoyle Compound No. 3.

5. OUTBOARD DRUM BEARING
   Lubricate semi-monthly with pressure gun filled with Gargoyle Grease Soverex No. 1.

6. UPPER HOIST BEARING
   Lubricate semi-monthly with pressure gun filled with Gargoyle Grease Soverex No. 1.

7. TROLLEY-RPM BEARINGS
   Lubricate every 6 months with pressure gun filled with Gargoyle Grease BNS No. 1.
   Drain and refill once each 6 months. Check oil level weekly. Use Gargoyle Compound No. 3.

8. TROLLEY-WHEEL BEARING
   Lubricate weekly with pressure gun filled with Gargoyle Grease Soverex No. 1.

9. MAIN HOIST MOTOR BRAKE
   SOLENOID TYPE: Lubricate linkage twice weekly with oil can filled with Gargoyle Vactra Oil Heavy Medium. Keep air gap and shoes adjusted according to nameplate instructions.
   Check Type Filled
   THRUSTOR TYPE: Lubricate oil linkage twice weekly with oil can filled with Gargoyle Vactra Oil Heavy Medium. Refer to brake manufacturer's maintenance bulletin.

10. MAIN HOIST MOTOR BEARINGS
    Lubricate every 6 months by pressure gun filled with Gargoyle Grease BNS No. 1.

11. BRIDGE DRIVE WHEEL GEARS AND PINIONS
    IMPORTANT: Keep well coated with Gargoyle Viscosit No. 20 Fluid. Apply daily for heavy service and weekly for light service. Apply with brush to obtain uniform coating.

12. AUXILIARY HOIST OUTBOARD DRUM BEARING
    Lubricate semi-weekly with pressure gun filled with Gargoyle Grease Soverex No. 1.

13. LOAD BRAKE ADJUSTMENT MECHANICAL
    LOAD BRAKE, Type Filled: Mechanical/Electrical
    External adjustment is provided by means of a brake nut on the load brake shaft extending outside the gear case. To set, turn the hoist in the "Release" direction, preferably with a load on the hook - then step hoist by moving controller to "Off" position. Loosen the lock bolt in the brake nut. Turn the brake nut "Counter-clockwise" (left hand thread) until it is up against the shoulder hard tight. Back off 1/8 turn for friction plate clearance. Lock with lock bolt.
    NOTE: If electrical braking system is furnished in lieu of mechanical load brake, consult...
INSTRUCTIONS

Regular servicing of the working parts is a highly important factor in efficient operation and maximum performance. The intervals specified are based on safe, conservative practice and calculated to assure the fullest degree of protection to all working parts. These intervals must not be exceeded as a regular procedure if best results are to be secured. The time and effort devoted to service requirements will be amply repaid in longer life and lower maintenance.

The choice of lubricants has a definite effect upon the resistance to wear and useful life of working parts. The lubricants appearing in the Intervals chart are made by the Socony-Vacuum Oil Co., Inc., and are conveniently obtainable in all parts of the world. They should be considered indicative of the type of lubricant required for the various working parts.

15. MAIN HOIST GEAR CASE

Drain and refill once each 6 months. Check oil level weekly. Use Gargoyle Compound No. 3.

16. BRIDGE DRIVE MOTOR BEARINGS

Lubricate once each 6 months with pressure gun filled with Gargoyle Grease BKB No. 1.

17. BRIDGE DRIVE GEAR CASE

Drain and refill once each 6 months. Check oil level weekly. Use Gargoyle Compound No. 3.

18. BRIDGE DRIVE BRAKE

HYDRAULIC. See Wagner Electric Corporation maintenance instructions attached.

19. SQUARING SHAFT PILLOW BLOCKS

Solenoid Type. Lubricate linkage twice weekly with oil can filled with Gargoyle Vactra Oil Heavy Medium. Keep air gap and shoes adjusted according to nameplate instructions.

20. LOWER BLOCKS

Lubricate every 2 weeks with pressure gun filled with Gargoyle Grease Soverex No. 1.

21. HOIST CABLE

Inspect rope at frequent intervals. Keep well coated with Gargoyle Graphite Grease No. 3.

ROPE REPLACEMENT DATA:
MAIN HOIST. Rope Size: Construction Length