

MAC 26 1-3/4" GREASE PUMP

Maintenance Schedule & Instructions

FHE USA recommends regular maintenance in order for your MAC 26 1-3/4 Grease Pump to operate properly and function virtually trouble-free. The MAC 26 1-3/4" Grease Pump should be maintained every 600 hours or once per month for optimal performance and longevity.

Keep the dust covers on the pump at all times to prevent dirt and grime from accumulating on the power end fluid plunger.

1. PERFORM VISUAL INSPECTION

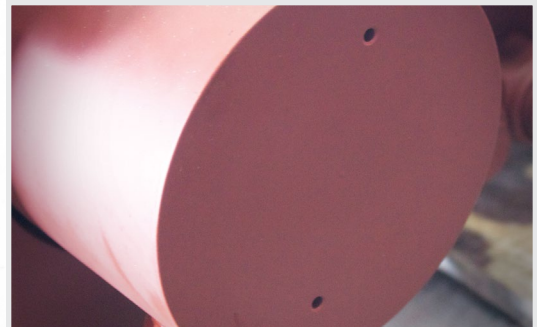
- Look for seepage from the strategically placed weep holes and threaded connections.
- Identify any external parts and connections that may have been damaged or in need of repair.



Mac 26 1-3/4" inside a grease injection system.



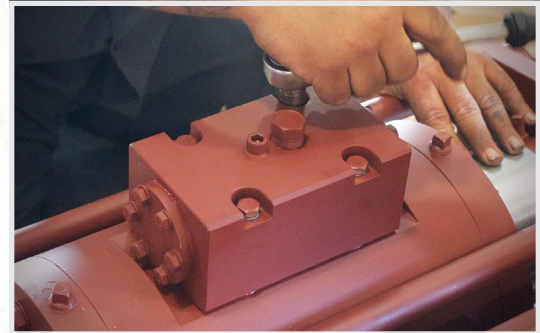
Weep holes located on the check cages.



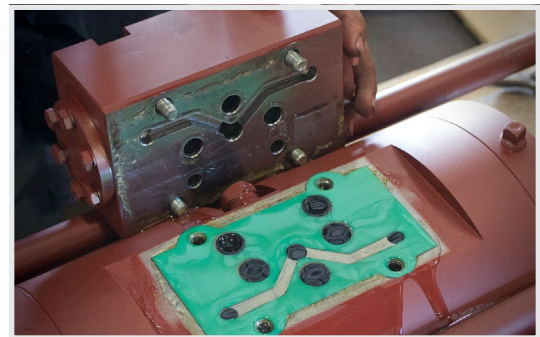
Weep holes located injector bodies.

2. ACTUATOR VALVE GASKETS & O-RINGS

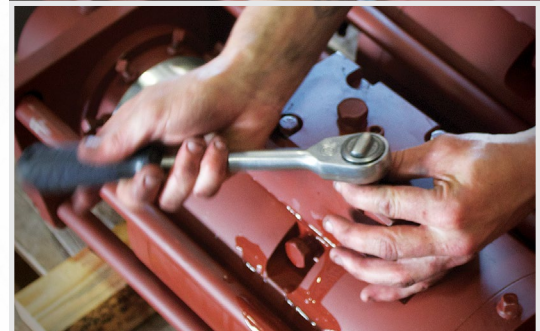
- Remove the four actuator valve housing bolts.
- Remove the actuator valve housing from the main body of the grease pump.
- Clean up any hydraulic fluid that seeps out from the actuator valve housing.
- Inspect actuator valve housing.
- Inspect actuator valve gasket.
- Replace actuator valve gasket if necessary.
- Replace all five o-rings (FHE 90 Viton Size 112).
- Reassemble ensuring that the actuator valve housing bolts are torqued evenly to 30 lb-ft.



Removing the four AV housing bolts.



Inspecting and replacing AV gasket and o-rings.



Torque AV housing bolts evenly.

3. INSPECT ALL FOUR INTAKE & DISCHARGE MANIFOLDS

- Remove the intake and discharge manifolds.
- Inspect all the springs, balls and seats, and seals to ensure there is not excessive wear or damage.
- Replace any worn or damaged parts.
- Reassemble.



Removing the intake manifold.



Careful remove manifold so the spring and ball stay in place.



Inspecting the spring, ball and seat, and seal.



Remove ball and inspect all sides to ensure proper performance.

4. INJECTOR PACKING & BRACKETS

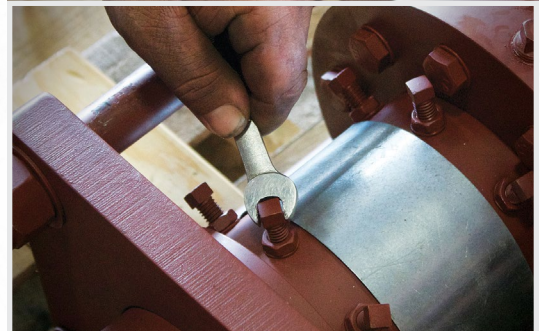
- Slide the dust cover around the injector bracket to uncover the packing nuts and pump plunger.
- Ensure the main cylinder packing nut is snug (NOTE: Over tightening the packing will cause excessive wear and eventual leakage.)
- Ensure the injector packing nut is also snug (NOTE: Over tightening the packing will cause excessive wear and eventual leakage.)
- Loosen injector bracket set screws on the right and left of the injector bracket and both sides of the main cylinder at the same time
- Tighten tie rods to 120 lb-ft in a diagonal pattern for proper alignment with the pump plunger.



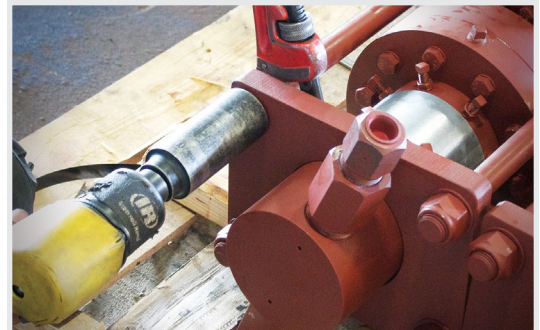
Tightening the main cylinder packing nut to snug.



Loosen the injector bracket set screws on the inside.



Loosen the set screws on both sides of the injector bracket.



Tightening the tie rods in a diagonal pattern for proper alignment with the pump plunger.