

TNT Lift Systems

SERVICE & MAINTENANCE SECTION

MAINTENANCE REQUIREMENTS

- I. When boat is hauled out of water, Clean and repaint Stainless Steel with approved bottom paint. Check all moving parts for wear. Replace any bushings with extreme wear.
- II. Hydraulic oil changes are recommended every two (2) years. Please contact TNT Lift Systems for proper replacement parts and procedures.

Recommended Hydraulic Oil: Mobil DTE24 premium quality, light-grade anti-wear hydraulic oil for use in commercial and industrial hydraulic systems, or equivalent. (ISO VG 32.SAE 10)

Mobil DTE24 meets or exceeds Haggglunds-Denison HF-0, Vickers V-104C and 35Vq25, Sundstrand-Sauer pump tests and the requirements of Cincinnati Milacron specification P-68. It achieves a 12-stage rating in the FZG Gear Test demonstrating a high level of protection against wear and scuffing, and is approved for use in Bijur Lubricators.

Use of Mobil DTE24 provides the following benefits: 1) longer hydraulic pump life due to excellent wear protection; 2) extended oil drain intervals due to superior super-stabilized additive package; 3) virtually deposit-free hydraulic system. For product information call 1-800-862-4525.

- III. Hydraulic Fluid Reservoir
 - a) Level of oil in the reservoir should be filled to within ½” -¾” of the filler/breather opening.

Note: Low hydraulic fluid level can cause air to enter the system resulting in erratic operation and sponginess of the lift. Should air enter the system, fill the reservoir to its proper level with the lift in the full up position and then operate the platform up and down several times. The system will automatically bleed itself.

- b) Use factory-recommended hydraulic fluid (ref. Mobil DTE24). In an emergency, any hydraulic fluid may be used. However, it is recommended that the entire system be flushed and fluid in reservoir be replaced shortly thereafter. This will prevent cross-contamination of the system.
- c) If water enters the hydraulic system, the hydraulic fluid will turn milky white. Find the source of the water and repair. Then flush the system and replace the fluid in reservoir with factory-recommended oil.
- d) Insure that the filler/breather cap is attached to the top of the reservoir at all times.

Note: Do not attempt to run the system without oil in the reservoir, as this will damage the power unit.

IV. System Cleanliness

- a) Prevent external ingress of contaminants. This is critical to the proper operation and life of the components.
- b) Observe the following rules:
 1. Keep work area clean when overhauling parts.
 2. Clean rags should be used.
 3. Blow out the parts and hose assemblies with only dry- filtered air.
 4. If hose assemblies are not installed right away, cap off ends with plastic caps or tape.
 5. When using pipe sealant, apply starting two threads behind the end of the threads. This will prevent pipe sealant from entering the hydraulic system and causing contamination. It is recommended to use pipe sealant manufactured by StaLok, part# TPS-50.

Note: Teflon tape is not recommended.

V. Plumbing/Hoses

- a) Take extra care not to step on or kink hydraulic hoses, as this will damage the inner tube and cause hose failure.
- b) If a hose assembly needs to be replaced, contact TNT Lift Systems for proper replacement parts. Be sure that the hose assembly is the proper length and is routed and connected correctly.

Note: Improper application or selection of hose can cause premature failure.

VI. Relief Valve Setting

Pressure is factory set at 1500 p.s.i. In order to check for correct setting, system must be running and platform must be extended or retracted to its furthest position (i.e. bottomed out). If gauge pressure is not reading set pressure, please contact TNT Lift Systems for adjustment procedures.