

Operating Instruction

1. Pump must be located with driving shaft coaxial to power take off. The drive system must not impose axial or radial load to pump shaft.
2. Hydraulic fluid. Use a mineral based hydraulic oil with additive to resist oxidation, corrosion and foaming; or engine oil.
 - Recommended viscosity: Mineral oil 3 ÷ 5 E 50° C --- Engine oil SAE 10, 20, 30 depending on environment temperature.
 - Operating Temperature range: 15 - 70° C
 - Viscosity: 1.45 ° E. Maximum viscosity during starting: 200 ° E
3. Filtration. Before filling the system, ensure that circuit is perfectly clean.
 - Filter must be adequate in capacity and preferably with blockage indicators.
 - Filter must be changed according to operating instructions.
 - Recommended filtering: Suction side 90 mesh, Return side 25 medium porosity.
4. Piping Instruction. Avoid sharp bends and restrictions on the circuit.
 - Maximum inlet depression: 250mm/Hg
 - Maximum oil speed suction side: 0.5 ÷ 1.5 m/sec
 - Maximum oil speed outlet side: 3 ÷ 8 m/sec
 - Maximum oil speeds return side: 2 ÷ 3 m/sec

Drive system

1. No radial or axial forces may be permitted to act on the pump drive shaft.
2. The motor and pump must be precisely aligned.
3. Always use a coupling which will permit compensation for any shaft displacement.
4. When mounting the coupling, avoid applying axial force, i.e. never attempt to press or knock into place using a hammer or similar instrument.

General

- Pumps supplied by us have been performance and function tested. Any attempts to modify the pump in any way will result in loss of warranty cover.
- Repairs may only be performed by the manufacturer or by authorized dealers and branches. No warranty can be accepted for unauthorized repairs.