



**Considerations for Using
Water Gycol or
Inverted Emulsion Fluids**

**Bulletin No.
GEN 000
10.89/002/01**

The following list of guidelines and limitations for the Linde pumps and motors should be considered when using water gycol or inverted emulsion fluids.

- 1) The reservoir must be located above the pump inlet with a positive head under all conditions.
- 2) The suction line should be more than sufficient in inside diameter. Bends, fittings, and length should be kept to a minimum.
- 3) Filtration should be 10 micron or better.
- 4) Maximum input speed should be reduced 25% of cataloged continuous operating speed.
- 5) Maximum continuous pressure is 2350 psi with intermittent peaks to 3600 psi.
- 6) Operating temperature should be limited to 122 degrees Fahrenheit.
- 7) Fluid viscosity of 20 to 30 centistokes is recommended.
- 8) With all of the above guidelines and limitations, life expectancy maybe 40 to 50 percent of normal life using straight premium hydraulic oil.