



## COMPRESSOR OILS

## LPG Compressor Oil

**Description**

LPG Compressor Oil is a polyalkyleneglycol lubricant, designed specifically for use in enclosed hydrocarbon and natural gas compressors. Because the solubility of these gases in LPG Compressor Oil is low, the oil maintains its viscosity, unlike mineral oil base lubricants which are quickly diluted.

**Typical Characteristics**

Code	044083
Density at 15°C, kg/l	1.06
Flash point, COC, °C	260
Pour point, °C	-30
Viscosity, kinematic, mm <sup>2</sup> /s (cSt)	
at 40°C	185
at 100°C	37.0
Viscosity index	250

**Recommended Uses**

LPG Compressor Oil is recommended for the crankcase lubrication of enclosed, reciprocating compressors operating on methane, ethane, propane, butane, ethylene, propylene, butadiene, ammonia, vinylchloride and dry inert gases. LPG Compressor Oil will easily mix with water in any ratio; therefore, contact with humid air should be avoided. Ordinary industrial paints soften in the presence of this oil. Two-pack epoxy formulations are normally resistant. LPG Compressor Oil should not be mixed with mineral oil or other synthetic fluids. When changing to or from LPG Compressor Oil, the oil system should be completely drained and thoroughly flushed. LPG Compressor Oil is approved by Sulzer Burckhardt for use in their K-type gas cargo compressors for general LPG/LNG service. LPG Compressor Oil is approved by Howden for use in refrigeration compressors operating with propane and propylene at discharge pressure exceeding 7 kg/cm<sup>2</sup>.

**Performance Benefits****1. Low Solubility of Gases**

Because hydrocarbon gases are minimally soluble in LPG Compressor Oil, the viscosity of the lubricant will not drop and performance will not be degraded.

**2. Moisture Tolerance**

In use, compression gas should be dry, but LPG Compressor Oil will tolerate up to 4% water before hazing at 80°C, and has been evaluated for its corrosion resistance with 2.5% water.

**3. Seal compatibility**

Common seal and gasket materials are unaffected by LPG Compressor Oil. Nitrile Rubber (NBR), fluoro-silicone or vinyl-methyl polysiloxane (Q) are recommended.