

Description

SYNTECH FOOD PG 68 is a premium quality, synthetic lubricant developed for use in hydraulics and centrifugal and oil-flooded rotary screw and rotary vane compressors processing natural gas, carbon dioxide, propane or other hydrocarbon gases. These is specially formulated to resist hydrocarbon dilution and oil absorption in this type of service, and are formulated with synthetic polyalkylene glycol (PAG) base oils and carefully selected additives to provide long service life, excellent wear protection, resistance to washout and lubricant carry-over, and protection against rust and corrosion. Absorption of the oil into the gas stream causes high oil consumption and carry-over into the process gas, and can cause depletion of the protective oil film on the cylinder walls. Resistance to gas dilution and oil absorption helps maintain proper viscosity and oil film thickness to protect against wear. SYNTECH FOOD PG 68 is formulated for applications where MOSH, POSH and MOAH are prohibited.

Outstanding Features

- Highly resistant to dilution by hydrocarbon gases and washout by condensed hydrocarbon liquids
- Resists absorption into the gas stream and subsequent carry-over of the lubricant downstream
- Outstanding oxidation resistance and thermal stability at high temperatures
- High viscosity index and low pour point for use over a wide temperature range
- High film strength for wear protection and protects against rust and corrosion
- Extended service intervals compared to conventional mineral oil-based lubricants
- Compatible with commonly used seals, gaskets and hoses⁽¹⁾

Directions of Use

Make sure the correct ISO viscosity grade Gas Compressor Oils (PAG) / hydraulic oil is used according to the equipment manufacturer's recommendations.

Technical Data (typical values)

ISO Grade	-	68
Density, g/cm ³ @ 15.6°C (60°F)	-	1.04
Colour, ASTM D1500	-	0.5
Flash Point (COC), °C	-	232
Pour Point, °C	-	-39
Viscosity,		
cSt @ 40°C	-	68.0
cSt @ 100°C	-	14.8
Viscosity Index	-	230
Acid Number, ASTM D974, mg KOH/g	-	0.34
Copper Corrosion, ASTM D130	-	1a
Foam Test, ASTM D892	-	Pass
Four-Ball Wear, ASTM D4172,		
Scar Diameter, mm	-	0.47
Oxidation Stability,		
Rust Test, ASTM D665 A	-	Pass

NOTE (1) Gas Compressor Oils (PAG) is compatible with neoprene, silicone rubber, tylon, vespal and viton, as well as epoxy paints. It is not compatible with oil-based paints or solvents, such as diesel fuel, kerosene, heptane, methanol, ethylene glycol or triethanolamine.

NOTE: PAG Compressor oil is not compatible with petroleum compressor oils. Care should be taken to avoid mixing the two products. When switching over from mineral oil to Gas Compressor Oils (PAG), a complete flush, drain and refill should be performed.