CPI®-1507-100

Hydrocarbon process gas compressor lubricant

Product description

CPI®-1507-100 is formulated by using premium polyalkylene glycol (PAG), coupled with a high performance additive package. The lubricant is specifically formulated to give negligible solubility or dilution in hydrocarbon gases. Statoil is a strategic partner and reseller of lubricant products for CPI Fluid Engineering.

Application areas

CPI®-1507-100 is specifically advantageous in high temperature applications, particularly as the low volatility means that there is significantly reduced lubricant in the air stream and any degradation at high thermal temperatures will not result in any detrimental varnishes or deposits. The product can be used for flooded rotary screw compressors, centrifugal compressors and liquid ring vacuum pumps.

Characteristics and advantages

CPI®-1507-100 features excellent thermal and oxidation stability that enables operation over a wide range of temperatures without degradation, varnish, deposit formation, or corrosion, particularly if oxygen is present in the hydrocarbon process gas stream. The high viscosity index (VI) enables the product to operate over this wide temperature range with a change in viscosity that is much more reduced than other formulated lubricants. Through hydrocarbon insolubility the product provides an insignificant dilution in operation and since it is oxidatively stable it also provides longer system life. The low volatility of the product provides reduced maintenance and reduced top-ups, and the excellent lubricity will provide increased efficiency and reduced cost of operation.

Tests and approvals

Handling and storage

Avoid skin contact. In the event of contact with skin, wash with soap and water. Dispose of used oil at a recycling station or equivalent. Safety data sheets are available on www.statoillubricants.com or supplied on request.

Typical Data

Characteristics	Typical value	Unit	Method
Flash point COC	260	°C	ISO 2592
Pour point	-37	°C	ISO 3016
Viscosity at 40°C	90.1	mm²/s	ISO 3104
Viscosity at 100°C	12.1	mm²/s	ISO 3104
Density at 20°C	1.143	g/ml	ISO 12185

Revision date 15-Jul-2014