

ConocoPhillips Hydroclear® 100 Gas Compressor Fluid

Category : Fluid , Lubricant

Material Notes:

Description: Conoco Hydroclear Gas Compressor Fluid is designed to lubricate rotary screw and reciprocating compressors in natural gas service. Conoco's high-quality hydrocracked base oil, combined with specially tailored additives, provides the protection against rust, corrosion, oxidation, wear and foaming needed to produce long and trouble-free service. The interaction between natural gas and hydrocarbon-based oils can lead to an effect known as "gas dilution." This effect reduces the effective viscosity of the lubricant and is normally taken into account by using ISO 100 and 150 viscosity grade products. Experience has shown that Hydroclear Gas Compressor Fluid provides excellent service and value in applications for which the compressor outlet pressure is less than 150 psig, the specific gravity of the gas stream is less than 1.0, and the gas outlet temperatures are well above the condensation point of the gas. Information provided by ConocoPhillips.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ConocoPhillips-Hydroclear-100-Gas-Compressor-Fluid.php

| Physical Properties | Metric | English | Comments |
|--------------------------------------|----------|----------|-----------------|
| Viscosity Measurement | 100 | 100 | Viscosity Index |
| Saybolt Viscosity at 100°F | 516 SUS | 516 SUS | |
| Saybolt Viscosity at 210°F | 65 SUS | 65 SUS | |
| Kinematic Viscosity at 40°C (104°F) | 99 cSt | 99 cSt | |
| Kinematic Viscosity at 100°C (212°F) | 11.2 cSt | 11.2 cSt | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|----------|-----------|----------|
| Four Ball Wear | 0.400 mm | 0.0157 in | |

| Thermal Properties | Metric | English | Comments |
|--------------------|----------|----------|----------|
| Pour Point | -34.4 °C | -30.0 °F | |
| Flash Point | 254 °C | 490 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|--------------------|------------|
| ASTM Rust A&B | Pass | |
| Copper Corrosion | 1A | |
| FZG | Pass 9 Load Stages | ASTM D5182 |
| Oxidation Resistance | 4000 hrs. | ASTM D-943 |

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