GPL PAG-EO

Polyethylene Glycol Gas Compressor Oil (224 Series)

GPL PAG-EO is a polyethylene glycol (PEG) based gas compressor lubricant that ensures negligible dilution with hydrocarbon gasses.

GPL PAG-EO demonstrates virtually no miscibility with hydrocarbon gasses and will reduce downstream oil losses. GPL-PAG-EO is a highly stable formulation and resists carbon and varnish buildup.

Applications

- **Reciprocating (piston) compressors**
- **Rotary screw compressors**
- **Hydrocarbon gas compressors**
- **Hydrocarbon heat pumps and refrigeration systems**

Gasses

- **(Natural) gas streams**
- **Methane (R-50), Ethane (R-170), Propane (R-290), Butane (R-600), Isobutane (R-600a) Pentane (R 601) & Isopentane (R-601a)**

Benefits

- **Extremely resistant to viscosity dilution**
- **Virtually no miscibility with (heavy) hydrocarbon gasses**
- **Low volatility and very low carryover rates**
- **Excellent thermal and oxidative stability**
- **Very long oil life**
- **High VI ensures operation over a wide temperature range**
- **Superior carbon and varnish control**
- **Offers excellent protection against corrosion, including sour gas (H2S)**

Specifications

ISO Viscosity Grade	22	32	46	68	100	150
Viscosity @ 40 °C (cSt)	22	32	46	68	100	152
Viscosity @ 100 °C (cSt)	4,3	5,6	7,7	10.6	15	22.4
Viscosity Index	100	115	135	143	148	175
Specific Gravity @ 15 °C	1,13	1,14	1,14	1,14	1,14	1.14
Pour Point (°C)	-54	-51	-48	-42	-39	-30
Flash Point (°C)	179	205	224	237	270	265
Copper Strip Corrosion (ASTM D130) (100 °C for 3 h)	1b	1b	1b	1b	1b	1b
Rust Test (ASTM D665) (Distilled Water)	Pass	Pass	Pass	Pass	Pass	Pass

Values included in this TDS are typical and do not constitute a specification. Manufacturing specifications are available upon request. Minimum operating temperatures are based on low temperature viscosity measurements and refrigerant miscibility data. Consult a Next Lubricants representative for operations below the pour point of the oil. It is recommended that routine oil analysis tests be performed to properly assess the condition of the oil. Verify that this TDS is the most UpToDate version, specifications are subject to change due to possible formulation and raw material changes.