GPL PAG

PAG Gas Compressor Lubricant (141 Series)

Description

GPL PAG is a polypropylene (PO) glycol based formulation that is ideal for use with light hydrocarbon gasses.

GPL PAG offers increased operation efficiency, excellent lubricity, and lower dilution rates with hydrocarbon gasses compared to mineral or PAO based lubricants.

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

- Resists viscosity dilution
- Good miscibility with heavy hydrocarbon gassed (e.g. Propane, Butane & Pentane)
- Very 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 (H_2S)

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Specifications

	Series GPL PAG				
ISO Viscosity Grade	32	46	68	100	150
Viscosity @ 40 °C (cSt)	34	46	69	100	150
Viscosity @ 100 °C (cSt)	7,1	9,2	12,9	17,8	25
Viscosity Index	178	185	190	196	201
Specific Gravity @ 15 °C	0,99	0,98	0,98	0,99	1
Pour Point (°C)	-57	-51	-48	-42	-39
Flash Point (°C)	208	210	211	215	217
Copper Strip Corrosion (ASTM D130) (100 °C for 3 h)	1b	1b	1b	1b	1b
Rust Test (ASTM D665) (Distilled Water)	Pass	Pass	Pass	Pass	Pass

	Series GPL PAG			
ISO Viscosity Grade	220	320	460	680
Viscosity @ 40 °C (cSt)	220	320	450	655
Viscosity @ 100 °C (cSt)	36	50	68	95
Viscosity Index	213	220	229	238
Specific Gravity @ 15 °C	1	1	1	1,02
Pour Point (°C)	-33	-30	-30	-30
Flash Point (°C)	223	230	220	208
Copper Strip Corrosion (ASTM D130) (100 °C for 3 h)	1b	1b	1b	1b
Rust Test (ASTM D665) (Distilled Water)	Pass	Pass	Pass	Pass

Values included in this TDS are typical and do not constitute a specification. Manufacturing specifications are available upon request. Completion of the Lubricant Recommendation Form is highly recommended before lubricant selection. Advise Next Lubricants of any changes to the makeup of the gas stream, and operating conditions. 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.

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