GPL PAO Gas Compressor Oil

11-12-2024

# GPL PAO

## PAO Gas Compressor Lubricant (215 Series)

GPL PAO is a gas compressor lubricant that combines polyalphaolefin and advanced additives. This combination ensures excellent stability and cleanliness over a wide operating range.

GPL PAO is ideal for applications that are prone to carbon and varnish buildup. GPL PAO also offers better stability and water separation compared to ester and PAG formulations when utilized in high water content gas streams.

GPL PAO has a high viscosity index and a very low pour point allowing for operations over a wide temperature range.

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#### Applications

- Reciprocating compressors
- Rotary screw compressors
- Centrifugal compressors

#### Gasses

- (Natural) gas streams
- Heavy and light hydrocarbon gasses

#### **Benefits**

- Excellent thermal and oxidative stability
- Resists harsh chemical environments
- Offers excellent protection against corrosion, including sour gas (H2S)
- Long fluid life
- Ideal for applications prone to carbon and varnish formation
- Extremely low volatility
- Very low carryover rates
- Excellent low temperature fluidity



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### Specifications

ISO Viscosity Grade	32	46	68	100	150	220
Viscosity @ 40 °C (cSt)	32	46	68	100	150	220
Viscosity @ 100 °C (cSt)	5,9	7,6	10,4	14,2	20,1	27,3
Viscosity Index	129	130	138	145	155	159
Specific Gravity @ 15 °C	0,84	0,85	0,85	0,85	0,85	0,85
Pour Point (°C)	-61	-57	-54	-52	-53	-49
Flash Point (°C)	243	259	259	260	252	260
Copper Strip Corrosion (ASTM D130) (100 °C for 3 h)	1a	1a	1a	1a	1a	1a
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.

