

NEXT GPL PAO

PAO Gas Compressor Oil (215 Series)

NEXT 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.

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

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



Applications

- Reciprocating compressors
- Rotary screw compressors
- Centrifugal compressors

Gases

- Light hydrocarbon gases
- Inert gases
- Bio gases
- Non-reactive process gases

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



Specifications

ISO Viscosity Grade	10	22	32	46	68	100	150	220
Viscosity @ 40 °C (cSt)	10.1	22	32	46	68	100	150	220
Viscosity @ 100 °C (cSt)	2.7	4.6	5.9	7.6	10.4	14.2	20.1	27.3
Viscosity Index	129	123	129	130	138	145	155	159
Density @ 15°C (g/cm ³)	0.83	0.84	0.84	0.85	0.85	0.85	0.85	0.85
Pour Point (°C)	-63	-63	-61	-57	-54	-52	-53	-49
Flash Point (°C)	194	229	243	259	259	260	252	260
Copper Strip Corrosion (ASTM D130) (100 °C for 3 h)	1a	1a	1a	1a	1a	1a	1a	1a
Rust Test (ASTM D665) (Distilled Water)	Pass	Pass	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. 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.

