

TECHNICAL DATA SHEET

NEXT GPL MIN

Mineral Gas Compressor Lubricant · 222 Series

NEXT GPL MIN is a hydrotreated mineral gas compressor lubricant with an advanced additive system designed for light hydrocarbon gas, sour gas, and natural gas infrastructure applications.

Its excellent water-separation characteristics and broad sour gas compatibility make it a reliable choice for wet gas streams, vapor recovery units, and gas turbine service at operating temperatures below 100 °C (212 °F).



APPLICATIONS

- Light hydrocarbon gas compression
- Sour gas compression and acid gas injection
- Natural gas pipeline, storage, and gathering
- Vapor recovery compression
- Gas turbines

GASES

- Light hydrocarbon gases (methane, ethane, propane)
- Sour gas streams containing H₂S
- Natural gas and associated gas
- Inert gases

BENEFITS

- Excellent lubricity and film strength across all viscosity grades
- Superior water separation for wet gas service
- Corrosion protection in sour gas environments (H₂S)
- High oxidation stability for extended drain intervals
- Compatible with PAO and mineral-based compressor lubricants
- Meets DIN 51515-1 TD/TG requirements
- Meets ISO 8068 requirements

TECHNICAL SPECIFICATIONS

Typical properties

ISO Viscosity Grade	32	46	68	100	150	170	220	320	460	680
Viscosity @ 40 °C / 104 °F (cSt)	31	45	66	101	150	170	220	320	460	680
Viscosity @ 100 °C / 212 °F (cSt)	5.2	6.65	8.6	11.5	15	17.1	20.4	26.4	34	44.5
Viscosity Index	97	98	101	102	106	107	107	108	109	110
Density @ 15 °C / 59 °F (g/cm³)	0.87	0.87	0.87	0.87	0.87	0.87	0.88	0.88	0.88	0.88
Pour Point (°C / °F)	-45 / -49	-42 / -44	-39 / -38	-36 / -33	-30 / -22	-24 / -11	-18 / 0	-15 / 5	-12 / 10	-10 / 14
Flash Point (°C / °F)	220/428	229/444	242/468	262/504	266/511	267/513	265/509	262/504	260/500	258/496
Copper Strip Corrosion (D130)	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a
Rust Test (D665, Distilled H ₂ O)	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

NOTE

Values in this Technical Data Sheet are typical and do not constitute a specification. Manufacturing specifications are available on request. Routine oil analysis is recommended to assess the condition of the lubricant in service. Specifications are subject to change due to formulation or raw-material updates; always verify that this TDS is the most current version.