

NGP® Series

Natural gas compressor lubricant



Your benefits at a glance

- The high viscosity index (V.I.) of NGP Series is comparable to a synthetic PAO and means a significant increase in operating temperature range over most mineral based oils. It also means a lower viscosity grade NGP Series product may be used in place of a higher viscosity mineral oil with a lower viscosity index. This can mean lower temperature flow limits and may eliminate the need for heated, pressurized day tanks and heat traced lines. It can also mean better lubricant film strength at higher cylinder and packing temperatures on reciprocating compressors.
- The pour point of NGP Series approaches that of a synthetic PAO and may be as much as 25 °F lower than some mineral based oils. The lower limit may eliminate no flow shutdowns on cold days or the need for special tank and line heaters.
- NGP Series is made from highly purified petroleum oils that only contain trace amounts of sulfur and other impurities found in group 1 mineral oils. Impurities common to many mineral oil base stocks can react with components of the gas stream to form by-products harmful to the compressor system.
- NGP Series is formulated to inhibit against the corrosive effects of wet CO₂ and H₂S often found in gas compressor applications.

- NGP Series is tailor made for gas compressor applications It is not simply an R&O oil developed for general purpose lubrication put into gas compressor service. Both synthetics and petroleum based oils have their place in gas compressor applications. Consult with Summit's Gas Compressor Specialist to find out which product is right for your application.

Your requirements - our solution

When a synthetic oil is needed, Summit's NGP Series highly refined petroleum based lubricants is formulated to provide some of the same benefits provided by hydrocarbon based synthetics such as PAO and PIB. The additive technology used in NGP Series enables it to outperform other mineral oil based lubricants.

Application

Natural gas compressor

Material safety data sheets

Material safety data sheets can be requested via our website <https://www.klsummit.com>. You may also obtain them through your contact person at Summit Lubrication.

Characteristics	NGP-32	NGP-68	NGP-100	NGP-150
Article number	340224	340218	340081	340082
Density	-	-	-	-
Density, 20°C	approx. 0.862 g/cm ³	approx. 0.860 g/cm ³	approx. 0.857 g/cm ³	approx. 0.867 g/cm ³
Flash point, Cleveland open cup	≥ 204 °C	-	-	-
Flash point, ASTM D92, Cleveland open cup	-	≥ 225 °C	≥ 210 °C	≥ 230 °C
Kinematic viscosity, 100°C	-	-	-	-
Kinematic viscosity, 40°C	-	-	-	-
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 5.7 mm ² /s	approx. 10.3 mm ² /s	approx. 14.9 mm ² /s	approx. 18.3 mm ² /s

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Characteristics	NGP-32	NGP-68	NGP-100	NGP-150
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 32 mm ² /s	approx. 66 mm ² /s	approx. 101 mm ² /s	approx. 146 mm ² /s
Viscosity index	-	-	-	-
Viscosity index, ASTM D2270	approx. 118	approx. 139	approx. 157	approx. 140
Pour point	-	-	-	-
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -34 °C	approx. -34 °C	approx. -35 °C	approx. -31 °C
Four-ball tester: wear characteristics	-	-	-	-
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months	36 months	36 months	36 months

Characteristics	NGP-180	NGP-220	NGP-320
Article number	340607	340083	340291
Density	0.86 g/cm ³	-	0.87 g/cm ³
Density, 20°C	-	approx. 0.865 g/cm ³	-
Flash point, Cleveland open cup	≥ 220 °C	-	-
Flash point, ASTM D92, Cleveland open cup	-	≥ 220 °C	≥ 220 °C
Kinematic viscosity, 100°C	22.0 mm ² /s	-	-
Kinematic viscosity, 40°C	180 mm ² /s	-	-
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	-	approx. 26.7 mm ² /s	approx. 38.9 mm ² /s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	-	approx. 212 mm ² /s	approx. 302 mm ² /s
Viscosity index	147	-	-
Viscosity index, ASTM D2270	-	approx. 161	approx. 182
Pour point	≤ -30 °C	-	-
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	-	approx. -33 °C	approx. -35 °C
Four-ball tester: wear characteristics	0.54 mm	-	-
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months	36 months	36 months

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Summit Lubrication

Your expert in specialty lubricants. Since 1982, we have partnered with you to bring you the right solution and advanced lubrication technologies. With over 500 products, from air and gas compressor oils to refrigeration oils, we develop top-of-the-line products tailored to your specific needs. Your success is our success.

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