

NGR-460

Synthetic natural gas compressor lubricant



Your benefits at a glance

- Greater wear protection
- Reduces amount of dilution and cylinder 'wash out'
- Superior corrosion protection against acid gases
- Increased compressor efficiency

Your requirements - our solution

NGR-460 is formulated for use in low to moderately high pressure reciprocating gas compressors compressing wet hydrocarbon gases and CO₂. It is also suitable for high pressure dry natural gas, hydrogen, nitrogen and helium gases. For compression of CO₂ and wet hydrocarbon gases to pressures greater than 1000 psi, the use of Summit synthetic polyglycol based NGL Series of lubricants is recommended.

Summit's NGR Series are synthetic-based lubricants that offer greater wear protection over petroleum/mineral-based oils for cylinder and packing lubrication. The combination of molecular weight components used in the NGR Series offer advantages that

reduce the amount of dilution and cylinder 'wash out' experienced with other competitors' hydrocarbon-based oils. The heaviest molecular weight compounds are still light enough to remain fluid and not contribute to downstream plugging with "asphaltenes" commonly seen with the use of compounded oils used in CO₂ and hydrocarbon gas compressors. They offer the same superior corrosion protection against acid gases found in our NGP, PGS and NGL Series of gas compressor lubricants.

Valve life is extended with the use of the NGR Series due to its ability to not form carbon deposits at high discharge temperatures. Its non-fouling tendency also aids in avoiding valve plate "stiction" resulting in longer plate life and greater compressor efficiency.

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	NGR-460
Article number	340271
Density	0.874 g/cm ³
Flash point	185 °C
Kinematic viscosity, 100°C	29.9 mm ² /s
Kinematic viscosity, 40°C	460 mm ² /s
Viscosity index	93
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346, based on standard	-32 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	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.

Summit Lubrication a brand of Klüber Lubrication NA LP /
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