

NGSH FG-320

Synthetic Food-Grade Gas Compressor Oil



Your benefits at a glance

- Low pour point for reliable performance in cold conditions
- High viscosity index ensuring stability across temperature ranges
- Excellent water demulsibility for superior separation and protection
- Food-grade, NSF H1 certified for incidental food contact compliance

Your requirements - our solution

Summit NGSH FG-320 is formulated using premium synthetic hydrocarbon base stocks. This extended-life lubricant incorporates advanced additives to safeguard equipment against wear, rust, and carbonic acid corrosion. Its low pour point, high viscosity index, and outstanding water demulsibility make it ideal for demanding environments.

NGSH FG-320 is NSF H1 registered, meets USDA 1998 (H1) guidelines for lubricants with incidental food contact, and is manufactured in an ISO 21469 certified facility.

Application

NGSH FG-320 is specifically designed for reciprocating compressors where NSF H1-certified oil is required. It is particularly suited for CO₂ gas compressors used in carbon capture and other industrial processes.

For assistance in selecting the right lubricant for your application, consult your Summit distributor or application engineer.

Application notes

Summit NGSH FG-320 is compatible with commonly used seal materials and equipment designed for petroleum-based oils.

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	NGSH FG-320
Article number	340611
Demulsifying capacity, DIN ISO 6614 /ASTM D1401, 54°C	40/37/3 (15) ml (min)
Density, 20°C	approx. 0.85 g/cm ³
Flash point, Cleveland open cup	≥ 272 °C
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 38.3 mm ² /s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 320 mm ² /s
Viscosity index, ASTM D2270	approx. 170
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -48 °C
Four-ball tester: wear characteristics, ASTM D4172, method: B, 1200 min ⁻¹ / 40 kgf, wear scar diameter	approx. 0.46 mm
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.

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