

Klüber Summit NGSH-68, -100, -150, -220

Synthetic gas compressor lubricants



Your benefits at a glance

- For the lubrication of rotary screw and reciprocating compressors in natural gas service
- Good anti-corrosion properties
- Also protecting against hydrogen sulphide corrosion

Your requirements - our solution

Klüber Summit NGSH lubricants are based on synthetic hydrocarbons and special additives.

They protect compressors against wear, rust and hydrogen sulphide corrosion.

Application

Klüber Summit NGSH are designed for rotary screw and reciprocating compressors in natural gas service.

Due to the varying make-up of gases and operating conditions, please contact your local Klüber representative for specific product recommendations.

The Klüber Summit NGSH series is also commonly used for Hydrogen applications.

Application notes

Drain as much of the previously used compressor oil from the system as possible, making sure that the oil is drained while still warm. Do not forget to drain coolers, separator tanks and all lines. Afterwards clean or change the filter, then recharge with the Klüber Summit NGSH operational lubricant.

We recommend attaching a label indicating the type of lubricant used and the filling date to the filter or the cover.

Materials compatibility

Klüber Summit NGSH lubricants have been designed to be compatible with all materials resistant to mineral oils, such as NBR, FPM, PTFE, acrylic and epoxy paints, nylon (polyamide) and PVC.

Material safety data sheets

Material safety data sheets can be requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klüber Summit NGSH 68	Klüber Summit NGSH 100	Klüber Summit NGSH 150	Klüber Summit NGSH 220
Canister 5 l				+
Canister 20 l		+	+	+
Bucket 19 l	+	+		
Drum 200 l		+	+	+
Drum 208 l	+	+	+	

Characteristics	Klüber Summit NGSH 68	Klüber Summit NGSH 100	Klüber Summit NGSH 150	Klüber Summit NGSH 220
Article number	050035	050036	050037	050038

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Characteristics	Klüber Summit NGSH 68	Klüber Summit NGSH 100	Klüber Summit NGSH 150	Klüber Summit NGSH 220
Appearance	clear	clear	clear	clear
Colour space	yellow	yellow	yellow	yellow
Demulsifying capacity, DIN ISO 6614 /ASTM D1401, 54°C	40-37-3 (30) ml (min)			
Demulsifying capacity, DIN ISO 6614 /ASTM D1401, 82°C		40-37-3 (60) ml (min)	40-37-3 (60) ml (min)	40-37-3 (60) ml (min)
Density, DIN 51757, 20°C	approx. 0.87 g/cm ³	approx. 0.88 g/cm ³	approx. 0.89 g/cm ³	approx. 0.89 g/cm ³
Flash point, DIN EN ISO 2592, Cleveland open cup	approx. 250 °C	approx. 250 °C	approx. 250 °C	approx. 250 °C
Foam test, ISO 6247 / ASTM D892, 24°C, sequence I	0/0 ml	0/0 ml	0/0 ml	0/0 ml
Foam test, ISO 6247 / ASTM D892, 24°C, sequence III	0/0 ml	0/0 ml	0/0 ml	0/0 ml
Foam test, ISO 6247 / ASTM D892, 93.5°C, sequence II	0/0 ml	0/0 ml	0/0 ml	0/0 ml
Kinematic viscosity, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 10.5 mm ² /s	approx. 14.5 mm ² /s	approx. 18.8 mm ² /s	approx. 23.8 mm ² /s
Kinematic viscosity, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 68 mm ² /s	approx. 100 mm ² /s	approx. 150 mm ² /s	approx. 220 mm ² /s
Viscosity index, DIN ISO 2909	≥ 145	≥ 140	≥ 135	≤ 135
Copper corrosion, DIN EN ISO 2160, 24 h, 100°C	1 - 100 - 24 corrosion degree	1 - 100 - 24 corrosion degree	1 - 100 - 24 corrosion degree	1 - 100 - 24 corrosion degree
Pour point, DIN ISO 3016	≤ -36 °C	≤ -39 °C	≤ -39 °C	≤ -39 °C
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

Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 90 years.

Klüber Lubrication München GmbH & Co. KG /
Geisenhausenerstraße 7 / 81379 München / Germany /
phone +49 89 7876-0 / fax +49 89 7876-333.

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