

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

Synthetic gas compressor lubricants



## Benefits for your application

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

## Description

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.

## 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](http://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 19 l	+	+	+	+
Drum 200 l	-	+	+	+
Drum 208 l	+	+	+	+

Product data	Klüber Summit NGSH 68	Klüber Summit NGSH 100	Klüber Summit NGSH 150	Klüber Summit NGSH 220
Article number	050035	050036	050037	050038
Appearance	clear	clear	clear	clear
Colour space	yellow	yellow	yellow	yellow
Density, DIN 51757, 20 °C	approx. 0.87 g/cm <sup>3</sup>	approx. 0.88 g/cm <sup>3</sup>	approx. 0.89 g/cm <sup>3</sup>	approx. 0.89 g/cm <sup>3</sup>



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Product data	Klüber Summit NGSH 68	Klüber Summit NGSH 100	Klüber Summit NGSH 150	Klüber Summit NGSH 220
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 68 mm <sup>2</sup> /s	approx. 100 mm <sup>2</sup> /s	approx. 150 mm <sup>2</sup> /s	approx. 220 mm <sup>2</sup> /s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 10.5 mm <sup>2</sup> /s	approx. 14.5 mm <sup>2</sup> /s	approx. 18.8 mm <sup>2</sup> /s	approx. 23.8 mm <sup>2</sup> /s
Viscosity index, DIN ISO 2909	>= 145	>= 140	>= 135	<= 135
Pour point, DIN ISO 3016	<= -36 °C	<= -39 °C	<= -39 °C	<= -39 °C
Copper corrosion, DIN EN ISO 2160, 24 h/100°C	1 - 100 corrosion degree	1 - 100 corrosion degree	1 - 100 corrosion degree	1 - 100 corrosion degree
Demulsifying capacity, DIN 51599, ASTM D 1401, at 54 °C	40/37/3 ml			
Demulsifying capacity, DIN ISO 6614, ASTM D 1401 at 82 °C		40/37/3 ml	40/37/3 ml	40/37/3 ml
Foam test, ASTM-D 892, ISO 6247, sequence I/24 °C	0/0 ml	0/0 ml	0/0 ml	0/0 ml
Foam test, ASTM-D 892, ISO 6247, sequence II/ 93.5 °C	0/0 ml	0/0 ml	0/0 ml	0/0 ml
Foam test, ASTM D 892, ISO 6247, sequence III/24°C	0/0 ml	0/0 ml	0/0 ml	0/0 ml
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus	approx. 250 °C	approx. 250 °C	approx. 250 °C	approx. 250 °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 80 years.

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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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