

Klüber Summit NGL-444, NGL-888

Synthetic gas compressor lubricants



Benefits for your application

- **For high pressure reciprocating compressors pumping natural gas, carbon dioxide or process gases**
- **Extremely resistant to hydrocarbon dilution and gas stream absorption**
- **Very high viscosity index, thus low viscosity change in a wide temperature range**

Description

Klüber Summit NGL compressor lubricants are based on polyalkylene glycols and special additives. In high-pressure reciprocating compressors pumping natural gas or hydrocarbon-based process gas, petroleum based lubricants are easily absorbed into the gas stream and diluted by the gas. Klüber Summit NGL lubricants are extremely resistant to hydrocarbon dilution and gas stream absorption.

The extremely high viscosity index of both products ensures efficient lubricity in a wide temperature range.

Application

Klüber Summit NGL-444 and Klüber Summit NGL-888 are designed for high pressure reciprocating compressors pumping natural gas, carbon dioxide or process gases (e.g. hydrogen, helium, nitrogen). Owing to its low pour point, Klüber Summit NGL-444 is also suitable in case of very low ambient temperatures.

Klüber Summit NGL-888 is particularly suitable for injection compressors used in oil and gas fields because it is water soluble and compatible with well-bore treatment fluids.

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 NGL 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 NGL compressor lubricants have been designed to be compatible with NBR (share of acrylonitrile > 30%), EPDM, MVQ (silicone rubber), PTFE, polyurethane foams, as well as paints based on phenolic and epoxy resin.

They should not be used with paints based on acrylic resin, polyurethane paints and plastic materials such as PVC, polycarbonate and ABS.

Material safety data sheets

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

Pack sizes	Klüber Summit NGL 444	Klüber Summit NGL 888
Canister 19 l	+	+
Drum 208 l	+	+



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Product data	Klüber Summit NGL 444	Klüber Summit NGL 888
Article number	050021	050022
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 16 mm ² /s	approx. 40 mm ² /s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 79 mm ² /s	approx. 220 mm ² /s
Viscosity index, DIN ISO 2909	>= 208	>= 220
Density, DIN 51757, 20 °C	approx. 1.04 g/cm ³	approx. 1.07 g/cm ³
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus	>= 225 °C	>= 260 °C
Pour point, DIN ISO 3016	<= -42 °C	<= -33 °C
Copper corrosion, DIN EN ISO 2160, 24 h/100°C	1 - 100 corrosion degree	1 - 100 corrosion degree
Appearance	clear	clear
Colour space	colourless	yellow
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

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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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