

Klüber Summit NGL-444, NGL-888

Synthetic gas compressor lubricants



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.

Minimum shelf life

The minimum shelf life is approx. 60 months if the product is stored in its unopened original container in a dry place.

Klüber Summit NGL-444 Klüber Summit NGL-888

- 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

Pack size

19 l canister
208 l drum

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.

Current material safety data sheets can be downloaded from our website www.klueber.com or requested from Klüber Lubrication.

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Product data

	Klüber Summit NGL-444	Klüber Summit NGL-888
Color, appearance	colorless, clear	colorless, clear
Density, DIN 51 757 at 20 °C, g/ml, approx.	1.04	1.07
Kinematic viscosity, DIN 51 562 at 40 °C, mm ² /s, approx. at 100 °C, mm ² /s, approx.	80 16.0	209 38.5
Viscosity index, DIN ISO 2909, approx.	220	236
Flash point, DIN ISO 2592, °C, approx.	230	270
Pour point, DIN ISO 3016, °C, approx.	- 50	- 42
Copper corrosion, DIN EN ISO 2160, 24 h, 100 °C corrosion rating	1 – 100	1 – 100

The data in this product information is based on our general experience and knowledge at the time of printing 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 tests with the selected product. We recommend contacting our Technical Consulting Staff to discuss your specific application. If required and possible we will be pleased to provide a sample for testing. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this product information at any time without notice.



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