

Klüber-Summit® PGI-68, 100, 150

Synthetic gas compressor lubricants



Description

Klüber-Summit PGI 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 PGI lubricants are extremely resistant to hydrocarbon dilution and gas stream absorption.

Application

Klüber-Summit PGI compressor lubricants are designed for rotary screw and reciprocating compressors used in the compression of propane. They are also suitable for refrigeration compressors operating with propane (refrigerant).

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 PGI 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 the original closed container in a dry place.

Pack sizes

19 l canister
208 l drum

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- For the lubrication of propane compressors and refrigeration compressors using propane as the refrigerant
- Extremely resistant to hydrocarbon dilution and gas stream absorption

Materials compatibility

Klüber-Summit PGI 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.

Product data	Klüber-Summit PGI-68	Klüber-Summit PGI-100	Klüber-Summit PGI-150
Color, appearance	colorless, clear	colorless, clear	colorless, clear
Density, DIN 51 757 at 20 °C, g/ml	approx. 1.0	approx. 1.0	approx. 1.0
Kinematic viscosity, DIN 51 562 at 40 °C, mm ² /s at 100 °C, mm ² /s	approx. 55 approx. 10.5	approx. 100 approx. 18.0	approx. 125 approx. 21.0
Viscosity index, DIN ISO 2909	approx. 190	approx. 195	approx. 200
Flash point, DIN ISO 2592, °C	approx. 220	approx. 230	approx. 230
Pour point, DIN ISO 3016, °C	approx. – 37	approx. – 35	approx. – 30

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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