

Klüber Summit PGI-68, 100, 150

Synthetic gas compressor lubricants



Benefits for your application

- **For the lubrication of propane compressors and refrigeration compressors with propane as the refrigerant**
- **Compared with mineral oils, extremely resistant to dilution and absorption by hydrocarbonated gas stream absorption**

Description

Klüber Summit PGI lubricants are based on polyalkylene glycols and special additives. In high-pressure piston compressors for natural gas or hydrocarbonated process gas, mineral oils are easily absorbed into, and diluted by, the gas stream. By contrast, Klüber Summit PGI compressor lubricants are extremely resistant to such effects.

Application

Klüber Summit PGI compressor lubricants are designed for rotary screw and piston compressors used in the compression of propane. They are also suitable for refrigeration compressors where propane is the refrigerant.

Because of the variety of gas stream compositions and other operating conditions, please contact your local Klüber sales representatives for specific viscosity 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. Next, clean or preferably change the filters. Then recharge with the appropriate Klüber Summit PGI oil.

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

Compatibility with materials

To the best of our knowledge, the Klüber Summit PGI compressor oils are compatible with NBR (acrylonitrile content > 30 %), EPDM, MVQ (silicone rubber), PTFE and polyurethane foams.

They can also be used with paints on an epoxy or phenolic basis.

It is not advisable to use these products together with acrylic paints, polyurethane vanishes and synthetic materials on a PVC, polycarbonate and ABS basis.

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 PGI 68 | Klüber Summit PGI 100 | Klüber Summit PGI 150 |
|---------------|----------------------|-----------------------|-----------------------|
| Canister 19 l | + | + | + |
| Drum 208 l | + | + | + |



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| Product data | Klüber Summit PGI 68 | Klüber Summit PGI 100 | Klüber Summit PGI 150 |
|--|---------------------------------|---------------------------------|---------------------------------|
| Article number | 050032 | 050033 | 050034 |
| Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C | approx. 12.7 mm ² /s | approx. 18.6 mm ² /s | approx. 26.2 mm ² /s |
| Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C | approx. 68 mm ² /s | approx. 100 mm ² /s | approx. 150 mm ² /s |
| Viscosity index, DIN ISO 2909 | >= 170 | >= 185 | >= 190 |
| Density, DIN 51757, 20 °C | approx. 0.99 g/cm ³ | approx. 0.99 g/cm ³ | approx. 0.99 g/cm ³ |
| Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus | >= 220 °C | >= 230 °C | >= 230 °C |
| Pour point, DIN ISO 3016 | <= -39 °C | <= -36 °C | <= -30 °C |
| Appearance | clear | clear | clear |
| Colour space | yellow | yellow | 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 | 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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