

Klüber Summit PGI-68, 100, 150

Synthetic gas compressor lubricants



Your benefits at a glance

- 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 hydrocarbon gas stream

Your requirements - our solution

Klüber Summit PGI lubricants are based on polyalkylene glycols and special additives. In high-pressure piston compressors for natural gas or hydrocarbon 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.

Materials compatibility

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 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 20 l		+	
Bucket 19 l	+		
Drum 200 l		+	
Drum 208 l	+	+	+

Characteristics	Klüber Summit PGI 68	Klüber Summit PGI 100	Klüber Summit PGI 150
Article number	050032	050033	050034

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Characteristics	Klüber Summit PGI 68	Klüber Summit PGI 100	Klüber Summit PGI 150
Appearance	clear	clear	clear
Colour space	yellow	yellow	yellow
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	≥ 220 °C	≥ 230 °C	≥ 230 °C
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 12.7 mm ² /s	approx. 18.6 mm ² /s	approx. 26.2 mm ² /s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 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
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	≤ -39 °C	≤ -36 °C	≤ -30 °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

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 95 years.

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