

# Klüber Summit PGS-2, 68, 100, 150

Synthetic gas compressor oils



## Benefits for your application

- For the lubrication of piston, screw-type and rotary vane compressors for natural and process gas
- Compared with mineral oils, extremely resistant to dilution and absorption by hydrocarbon gases
- Klüber Summit PGS-2 is ideal for heavy gases (densities > 1.5 g/cm<sup>3</sup>)

## Description

Klüber Summit PGS compressor oils 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 PGS compressor oils are extremely resistant to such effects.

The extremely high viscosity index of Klüber Summit PGS compressor oils 68 ..., 460 ensures good lubrication in a wide range of temperatures.

## Application

Klüber Summit PGS compressor oils are suitable for piston, screw-type and rotary vane compressors for natural or process gas.

Klüber Summit PGS-2 is ideal for hydrocarbon gases of densities greater than 1.5 g/cm<sup>3</sup> because this product is extremely resistant to dilution and absorption by hydrocarbon gases.

Because of the variety of gas stream compositions and other operating conditions, please contact your local Klüber sales representative for specific viscosity recommendations.

## Application notes

Drain as much of the old 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 PGS compressor oil.

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

## Compatibility with materials

To the best of our knowledge, the Klüber Summit PGS 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 varnishes 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](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klüber Summit PGS 2	Klüber Summit PGS 68	Klüber Summit PGS 100	Klüber Summit PGS 150
Canister 19 l	+	+	+	+
Drum 208 l	+	+	+	+



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Product data	Klüber Summit PGS 2	Klüber Summit PGS 68	Klüber Summit PGS 100	Klüber Summit PGS 150
Article number	050026	050027	050028	050029
Colour space	yellow	yellow	yellow	yellow
Density, DIN 51757, 20 °C	approx. 1.15 g/cm <sup>3</sup>	approx. 1.04 g/cm <sup>3</sup>	approx. 1.05 g/cm <sup>3</sup>	approx. 1.06 g/cm <sup>3</sup>
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 85 mm <sup>2</sup> /s	approx. 68 mm <sup>2</sup> /s	approx. 100 mm <sup>2</sup> /s	approx. 150 mm <sup>2</sup> /s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 11.4 mm <sup>2</sup> /s	approx. 14 mm <sup>2</sup> /s	approx. 19.6 mm <sup>2</sup> /s	approx. 26.9 mm <sup>2</sup> /s
Viscosity index, DIN ISO 2909	>= 111	>= 200	>= 200	>= 200
Pour point, DIN ISO 3016	<= -30 °C	<= -42 °C	<= -39 °C	<= -36 °C
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus	approx. 240 °C	>= 230 °C	>= 230 °C	>= 240 °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	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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