

Klüber Summit PGS 10A

Synthetic oil, particularly for the lubrication of mechanical seals in process gas compressors and other units



Benefits for your application

- **Reliable lubrication tailored to meet the requirements in mechanical seals**
- **Miscible with Klüber Summit PGS, PGI and NGL gas compressor oils enabling safe and reliable operation**
- **Low temperature start-up of equipment due to the good viscosity-temperature behaviour of the oil**
- **Special additives prevent residue formation in the seal clearances**

Description

Klüber Summit PGS 10A is a special polyglycol oil for the lubrication of mechanical seals. What makes this product stand out are its very low gas solubility and good cold flow properties. The base oil contained in Klüber Summit PGS 10A shows a high chemical stability with aggressive gas constituents, which may contact the oil.

Application

Klüber Summit PGS 10A has been specially designed for the lubrication of process gas compressors where the mechanical seal is in contact with the oil circuit. Klüber Summit PGS 10A should be used in particular if the compressor is lubricated with Klüber Summit PGS 2, PGS 68 ... 220, PGI 68 ... 150 and NGL 444, 888 oils where good miscibility of the mechanical seal oil with the compressor oil is required.

Unlike mineral oils, polyalphaolefins or ester oils, the special base oil contained in Klüber Summit PGS 10A clearly reduces the solubility of hydrocarbon gases. The viscosity of the oil remains consistent for a long time, which contributes to reliable lubrication and a long service life of the mechanical seal.

Due to the good viscosity-temperature behaviour of Klüber Summit PGS 10A, compressor start-up is possible even at low ambient temperatures, which usually would require preheating of the oil when using mineral oils.

Application notes

Klüber Summit PGS 10A is not miscible with mineral oils or other synthetic hydrocarbon oils.

When converting a used seal to Klüber Summit PGS 10A, remove the old oil from the mechanical seal whilst still warm. We recommend flushing the seal with a small quantity of Klüber Summit PGS 10A before the actual operational fill.

Your contacts at Klüber Lubrication will be pleased to assist with additional support regarding the cleaning and flushing procedures for mechanical sealing systems.

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 PGS 10A
Canister 19 l	+

Product data	Klüber Summit PGS 10A
Article number	050076
Appearance	clear
Colour space	colourless
Density, DIN 51757, 20 °C	approx. 0.99 g/cm ³
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 8 mm ² /s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 2.5 mm ² /s
Viscosity index, DIN ISO 2909	>= 100



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Product data	Klüber Summit PGS 10A
Pour point, DIN ISO 3016	<= -51 °C
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus	>= 115 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	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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