

Klüber Summit LCG-68, LCG-100

Synthetic compressor oils for acidic and reactive gases such as landfill and biogases.



Benefits for your application

- Especially for the lubrication of screw-type compressors for natural gas, treated and untreated biogas
- Effective corrosion protection of oil-wetted surfaces
- No residue formation caused by reaction with process gas
- Effective corrosion protection also with sour gas (hydrogen sulphide) or CO₂ mixtures
- Resistant to hydrolysis
- Longer compressor life and more reliable performance

Description

Klüber Summit LCG compressor oils are fully based on synthetic hydrocarbon and special additives. They protect compressors effectively against wear and corrosion, even with sour gases.

Application

The Klüber Summit LCG series was developed for application in screw-type compressors working with natural gases or the reactive and corrosive gases encountered in biogas plants, refineries, EOR processes or the chemical industry.

Klüber Summit LCG compressor oils do not contain sulphur or any other elements that might react with chlorine-containing components or acidic gases. They can also be used with gases containing chlorine where mineral oils, esters or polyglycols are not suitable for application.

Klüber Summit LCG compressor oils protect surfaces against the corrosive effects of acidic gases such as hydrogen sulphide or carbon dioxide.

To select the right viscosity, the composition of the gas flow and all other operating conditions have to be known in detail. Please consult your contact at Klüber Lubrication in this matter.

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 LCG operational lubricant.

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

Material compatibility

Klüber Summit LCG lubricants have been designed to be compatible with all materials resistant to mineral oils, such as BR, FPM, PTFE, acrylic and epoxy paints, nylon (polyamide) and PVC.

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 LCG 68	Klüber Summit LCG 100
Canister 19 l	+	+
Drum 208 l	+	+

Product data	Klüber Summit LCG 68	Klüber Summit LCG 100
Article number	050097	050090
Colour space	yellow	yellow
Appearance	clear to slightly turbid	clear to slightly turbid



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Product data	Klüber Summit LCG 68	Klüber Summit LCG 100
Density, DIN 51757, 20 °C	approx. 0.84 g/cm ³	approx. 0.84 g/cm ³
Demulsifying capacity, DIN 51599, ASTM D 1401, at 54 °C	40/37/3 ml	
Demulsifying capacity, DIN ISO 6614, ASTM D 1401 at 82 °C		40/37/3 ml
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus	>= 250 °C	>= 260 °C
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 68 mm ² /s	approx. 100 mm ² /s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 10.8 mm ² /s	approx. 13.9 mm ² /s
Viscosity index, DIN ISO 2909	>= 130	>= 130
Pour point, DIN ISO 3016	<= -36 °C	<= -36 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	60 months	60 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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