Klüber Summit DSL-100 XM, DSL-125 XM

Synthetic gas compressor lubricants

Benefits for your application

- **For process gas compressors, no negative impact on downstream metal catalysts**
- **Approved for UOP hydrogen compression process**

Description

Klüber Summit DSL-100 XM and Klüber Summit DSL-125 XM are ester-based compressor lubricants with special additives. They do not contain any substances which have a negative impact on process catalysts.

Application

Klüber Summit DSL-100 XM and Klüber Summit DSL-125 XM are designed for reciprocating and rotary vane compressors pumping process gases. These lubricants do not damage downstream catalysts because they do not contain critical additives such as zinc, phosphorus or sulphur. These products are UOP-approved for hydrogen compression and downstream catalytic processes.

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 DSL operational lubricant.

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

Materials compatibility

Klüber Summit DSL-100 XM and Klüber Summit DSL-125 XM have been designed to be compatible with epoxy resin paints, oil-resistant alkyd resins, plastic materials such as nylon (polyamide, celcon [polyacetal]) and PTFE, as well as elastomers such as NBR (share of acrylonitrile > 30%) and FPM (Viton).

They should not be used with elastomers such as neoprene, NBR (share of acrylonitrile < 30%) and SPR, plastic materials such a PVC and ABS, or acrylic resin paints.

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 DSL 100 XM	Klüber Summit DSL 125 XM
Drum 208 l	+	+
Canister 19 l	+	+

Product data	Klüber Summit DSL 100 XM	Klüber Summit DSL 125 XM
Article number	050024	050025
Appearance	clear	clear
Colour space	colourless	colourless
Density, DIN 51757, 20 °C	approx. 0.95 g/cm³	approx. 0.96 g/cm³
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 100 mm²/s	approx. 125 mm²/s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 11 mm²/s	approx. 13.5 mm²/s
Viscosity index, DIN ISO 2909	>= 89	>= 93

a brand of FREUDENBERG

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Copper corrosion, DIN EN ISO 2160, 24 h/100°C	1 - 100 corrosion degree	1 - 100 corrosion degree
Pour point, DIN ISO 3016	<= -36 °C	approx. -33 °C
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus	approx. 240 °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

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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