

### Description

Klüberoil YF 100 is a poly-alkylenglycol oil containing solid lubricants. It is suitable for the lubrication of chains operating at very high temperatures. It has good wetting properties, an excellent penetration behaviour and high stability.

Klüberoil YF 100 has been authorized by the U.S. Department of Agriculture (USDA H2 registration).

### Application

Klüberoil YF 100 is suitable for the lubrication of transport chains used in the food processing industry, e.g. plate carrier chains in bread baking ovens. It can also be used on drive and control chains in melting furnaces used in the metal industry and on other chains subject to high temperatures.

### Application notes

Klüberoil YF 100 is applied by brush, oil can or automatic lubricating devices. We recommend relubricating the chains at a temperature below 150 °C or when completely cool.

Shake the container well before use to ensure an even distribution of the solid lubricant particles. Install an agitator in the lubricant container of automatic lubrication systems.

### Service temperature range\*

Klüberoil YF 100 is suitable for temperatures up to 500 °C, with dry lubrication being gradually reached above 200 °C.

Once applied to the chain, the lubricant is functional down to approx. – 30 °C. When using an automatic lubrication system observe the manufacturer's instructions on viscosity limits.

\* Service temperatures are guide values which depend on the lubricant's composition, the intended use and the application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on the mechano-dynamical loads, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

### Klüberoil YF 100

- Chain oil for very high temperatures
- Good wetting properties
- Excellent penetration behaviour
- USDA H2 registration

### Minimum shelf life

The minimum shelf life is approx. 12 months if the product is stored in its unopened original container in a dry place.

### Pack size

5 l canister

### Product data

Colour	black
Texture	liquid
Density, DIN 51757, at 20 °C, [g/cm <sup>3</sup> ], approx.	1.04
Flow time, DIN EN ISO 2431, flow cup, 6 mm nozzle, s, approx.	100
Base oil viscosity, DIN 51562 T01 at 40 °C, mm <sup>2</sup> /s, approx.	120
at 100 °C, mm <sup>2</sup> /s, approx.	20

The data in this product information is based on our general experience and knowledge at the time of printing 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 tests with the selected product. We recommend contacting our Technical Consulting Staff to discuss your specific application. If required and possible we will be pleased to provide a sample for testing. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this product information at any time without notice.



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