

Klüberfluid® C-F 2 ULTRA

Operational lubricant for open drives



Description

Klüberfluid C-F 2 ULTRA is an operational lubricant especially developed for splash or circulation lubrication. It has a mineral base oil and contains aluminum stearate as a soap thickener and solid lubricant particles of fine graphite. It is resistant to high pressure and contains antiwear additives and corrosion inhibitors. In extreme cases this lubricant is suitable up to a component temperature of 200 °C.

Klüberfluid C-F 2 ULTRA is a non-Newtonian fluid free from bitumen, solvents, heavy metals and chlorine.

In accordance with AGMA 9005-D 94 Klüberfluid C-F 2 ULTRA is classified among the "Special Compounds" para 3.1.6, table 4 of AGMA Lubricant No. 10 EP.

Application

Klüberfluid C-F 2 ULTRA is used for the splash, paddle wheel or circulation lubrication of open gears.

The application possibilities are restricted neither by the component's size nor the capacity of the drives. The peripheral speed should not be more than 8.5 m/s. A combined lubrication of gears and bearings is not permissible. Such drives are mainly installed in rotary kilns, tube mills, and machines used in the cement, lime, gypsum, mining and chemical industries.

Application notes

For splash lubrication Klüberfluid C-F 2 ULTRA is filled into the oil bath and is thus transferred directly to the tooth flanks. With the *Klübermatic PA* circulation lubrication system, the lubricant is directly sprayed onto the tooth flanks.

Storage

24 months at room temperature. Protect the package from direct sunlight.

Pack sizes

25 kg bucket
180 kg drum with removable cover

Klüberfluid C-F 2 ULTRA

- Operational lubricant for open drives with splash or circulation lubrication
- Suitable for normal to elevated operating temperatures
- Free from heavy metals, solvents, bitumen and chlorine
- Easy application
- Maximum flank protection

Product data

Colour	black
Structure	homogenous, fluid
Density at 20 °C, DIN 51 757	≈ 1.00 g/cm ³
Worked penetration in acc. with Klein at 25 °C	450 · 0.1 mm ±40
Base oil viscosity, DIN 51 561	
20 °C, mm ² /s	≈ 22000
40 °C, mm ² /s	≈ 3200
100 °C, mm ² /s	≈ 94
VI base oil, DIN ISO 2909	≈ 84
VKA welding force, DIN 51 350 Pt 4	≥ 7500
FZG A 2.76/50 °C, DIN 51 354	Scuffing load stage > 12 work-related loss in weight ca. 0.2 mg/kWh
Evaporation loss after 100 h at 100 °C	< 1 % by weight
Application by splash lubrication	5 °C to 100 °C
Application by circulation lubrication	15 °C to 80 °C
Efficient lubricant film	to ≈ - 30 °C
Thermal load limit for lubricating film	to 200 °C

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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