

Klüberfluid C-F 7 Ultra

Operational lubricant for large, open girth gear drives



Benefits for your application

- **Eco-friendly:** free of bitumen and raw materials containing solvents, heavy metals or chlorine
- **Economical:** low lubricant consumption, low disposal costs
- **Easy handling:** light-coloured, transparent product, gear teeth visible for inspection during operation
- **Clean appearance,** more acceptable to machine operators

Description

Klüberfluid C-F 7 Ultra is a newly developed operational lubricant based on synthetic oils, especially for use on medium to large girth gear drives. It provides good adhesion, resistance to high pressure and wear protection and can be used at component temperatures up to 120°C.

Klüberfluid C-F 7 Ultra is free of bitumen, raw materials containing solvents, heavy metals or chlorine and solid lubricants.

Klüberfluid C-F 7 meets the requirements set forth in ANSI/AGMA 9005-E02 Annex D-2. This product was especially developed with a view to low-temperature applications.

Application

Klüberfluid C-F 7 Ultra can be applied by immersion, transfer paddle wheel, circulation or spray lubrication systems. It can be used with all gear sizes and power ratings. A peripheral speed of 10 m/s however should not be exceeded.

Such drives are mostly found in rotary kilns, tube mills, drums and similar machinery used in the cement, lime, gypsum, mining and chemical industries as well as in coal-fired power stations. Further applications are in sugar and paper production as well as in the marine and offshore sector.

Application notes

When applied by immersion, Klüberfluid C-F 7 Ultra is directly transferred onto the tooth flanks of the immersing wheel. The Klübermatic PA circulation lubrication system can also be employed to recirculate the lubricant under pressure onto the tooth flanks.

Klüberfluid C-F 7 Ultra may also be applied via the customary spray systems.

The lubricant film on the tooth flanks can be made visible by using a UV lamp with a wavelength of 366 nm.

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	Klüberfluid C-F 7 Ultra
Bucket 25 kg	+
Drum 180 kg	+

Product data	Klüberfluid C-F 7 Ultra
Article number	039125
Chemical composition	UV additive
Appearance	slightly turbid
Colour space	yellow
Texture	fibrous



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Product data	Klüberfluid C-F 7 Ultra
Density, DIN 51757, 20 °C	approx. 0.95 g/cm ³
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	<= 25 000 mm ² /s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 1 000 mm ² /s
Application in automatic spray systems	15 - 120 °C
Application by immersion bath	-5 - 120 °C
Application in circulation lubrication systems	-5 - 120 °C
Thermal stability of the lubricating film	<= 120 °C
Functional lubricant film	>= -40 °C
Four-ball EP tester, welding load, DIN 51350 part 2	>= 8 000
FZG scuffing test, based on DIN ISO 14635, A/2,76/50, change in weight	<= 0.2 mg/kWh
FZG scuffing test, based on DIN ISO 14635, A/2,76/50, scuffing load stage	> 12
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus	>= 200 °C
Pour point, DIN ISO 3016	<= -8 °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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