

Klüberfluid C-F 8 Ultra

Operational lubricant for large girth gear drives



Your benefits at a glance

- Operational lubricant for large open girth gear drives incorporating immersion, circulation or spray lubrication systems
- For normal to elevated component temperatures up to 120 °C
- Free from heavy metals, chlorine, solvents, bitumen and solids
- Easy application
- Optimum wear and tooth flank protection
- Low maintenance, lower disposal costs
- Light-coloured, transparent product

Your requirements - our solution

Klüberfluid C-F 8 ULTRA is a newly developed lubricant especially for use on medium-size to large girth gear drives. It is based on a mixture of synthetic hydrocarbons and mineral oil.

Klüberfluid C-F 8 ULTRA provides extremely good adhesion, resistance to high pressure and exceptional wear protection. It is suitable for use at component temperatures up to 120 °C.

Klüberfluid C-F 8 ULTRA is free from bitumen, solvents, heavy metals, chlorine and solid lubricants.

Klüberfluid C-F 8 ULTRA corresponds to ANSI/AGMA 9005-E02 annex D.

Application

Klüberfluid C-F 8 ULTRA can be applied by immersion, transfer paddle wheel, pressure fed circulation and total loss spray lubrication systems. It can be used with all gear sizes and power ratings. A peripheral speed of 8 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 found in sugar and paper production as well as in the marine and offshore sector

Application notes

When applied by immersion, Klüberfluid C-F 8 ULTRA is directly transferred onto the tooth flanks. A circulation lubrication system can also be employed to re-circulate the lubricant under pressure onto the tooth flanks.

Klüberfluid C-F 8 ULTRA may also be applied via other customary spray systems.

The lubricant film on the tooth flanks can be made visible by using a UV lamp of at least 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 8 Ultra
Bucket 25 kg	+
Bucket 50 kg	+

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Pack sizes	Klüberfluid C-F 8 Ultra
Drum 180 kg	+

Characteristics	Klüberfluid C-F 8 Ultra
Article number	039087
Colour space	brown
Application by immersion bath	10 - 120 °C
Application in circulation lubrication systems	10 - 80 °C
Application in automatic spray systems	10 - 80 °C
Functional lubricant film	ca. -30 °C
Thermal stability of the lubricating film	<= 120 °C
Density, DIN 51757, 20 °C	ca. 0,92 g/cm ³
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 20 °C	ca. 46000 mm ² /s
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	ca. 8000 mm ² /s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	320 mm ² /s
Pour point, DIN ISO 3016	<= 5 °C
Viscosity index, DIN ISO 2909	ca. 160
Four-ball EP tester, welding load, DIN 51350 part 2	>= 7000 N
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus	>= 200 °C
FZG scuffing test, DIN ISO 14635-1, A/8.3/90, scuffing load stage	>= 12
FZG scuffing test, DIN ISO 14635-1, A/8.3/90, change in weight	<= 0,2 mg/kWh

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 90 years.

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