

# Klüberfluid D-F 1 ULTRA

Repair lubricant for open girth gear drives



## Description

Klüberfluid D-F 1 ULTRA is a running-in and repair lubricant suitable for manual spray application. It is based on mineral oil thickened with lithium soap and contains special additives.

Klüberfluid D-F 1 ULTRA is resistant to high pressure and is free from bitumen, solvents, heavy metals, chlorine, graphite and MoS<sub>2</sub>. Thanks to the absence of solid lubricants, Klüberfluid D-F 1 ULTRA is classified as a light-coloured product making it highly suitable for drives where a clean, transparent, operational lubricant is required.

## Applications

Klüberfluid D-F 1 ULTRA was specially developed for repair lubrication of damaged tooth faces of open gears. It is also highly suitable for rapid running-in of new or newly aligned gear sets such as those used with rotary kilns, tube kilns and winches, mainly in the cement, power station, ore mining, chemical industry, paper and sugar industries as well as in the fields of marine and off-shore technology.

## Applications notes

Klüberfluid D-F 1 ULTRA is applied in small controlled dosages either manually using the Klübermatic LB hand sprayer or by brush.

To avoid inadvertent damage, all repair lubrication work should be left to experienced service engineers or technicians. Klüber specialists are available for this service.

Klüberfluid DF1 ULTRA must be stirred before use.

## Caution

Klüberfluid D-F 1 ULTRA must not be applied via automatic spray equipment or centralised lubrication systems. To avoid misuse, keep Klüberfluid D-F 1 ULTRA in safe storage and restrict its application to authorised personnel. For further assistance prior to application, please contact Klüber Lubrication München KG, MA-LSS dept. phone: +49 89 7876-0.

## Minimum shelf life

Minimum shelf life is approx. 24 months from the date of manufacture if the product is stored in its closed original pack container in a dry place. The pack should not be exposed to direct sunlight. After the above period the lubricant should be analysed for its fitness for further use.

- Corrective and repair lubricant for large open gear drives
- Ready-to-use product
- Suitable for application under full load conditions
- No cleaning of gears required after use
- Low consumption rate
- Free from solvents, bitumen, heavy metals, chlorine, graphite and MoS<sub>2</sub>
- Light-coloured, transparent formulation

## Pack sizes

- 5 kg hobbock
- 25 kg hobbock

Current material safety data sheets can be downloaded from our website [www.klueber.com](http://www.klueber.com) or requested from Klüber Lubrication.

# Klüberfluid D-F 1 ULTRA

Repair lubricant for open girth gear drives



## Product data

Colour	green
Texture	soft, flowing
Density, DIN 51757, at 20°C, [g/cm <sup>3</sup> ], approx.	0.96
Consistency class, DIN 51818, NLGI	00
Service temperature range*, [°C], approx.	10–80
Flash point, DIN EN ISO 2592, Cleveland, open crucible, [°C]	> 200

\* Service temperatures are general approximations that will vary with lubricant composition, intended use and application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on mechanical and dynamical stress, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

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.



Klüber Lubrication, a member of the Freudenberg group

Publisher and Copyright:  
Klüber Lubrication München KG

Reprints, total or in part, are permitted if source is indicated and voucher copy is forwarded.

Klüber Lubrication München KG  
Geisenhausenerstraße 7, 81379 München, Deutschland  
☎ +49 89 7876-0, Telefax +49 89 7876-333, [www.klueber.com](http://www.klueber.com)