

Klüberfluid FI 18-2200 US

Semi-synthetic fluid lubricant to help elongate the life of your fluid end packing



Benefits for your application

- Very high oil-to-thickener ratio
- Adhesive to metal surfaces and elastomers
- Media resistant
- Helps maintain lubricating film through oil retention by the thickener
- Easily pumpable and flowable; doesn't clog lubricant distribution lines or collect in the catch pan
- Off-white in color, much cleaner than competitors products

Description

Uptime is the most important factor in your pumping operations. That is why we developed a fluid grease, to help keep your fluid end packing cool and sealed off from the media to help achieve the longest packing life possible. This lubricant flows like an oil, while maintaining your consumption levels. Refilling reservoirs on your trailers is quick, and the flowable nature of the product minimizes the risks of lubrication lines getting clogged, as well as it drains well out of the catch pans

Application

Typical application is the fluid end packing in pumps used for:

- hydraulic fracturing
- cementing
- pump down

Application notes

Klüberfluid FI 18-2200 US is meant to be used in existing fluid end packing lubricant distribution systems.

Klüberfluid FI 18-2200 US should be stirred or agitated prior to filling reservoir.

Safety data sheets

You can obtain safety data sheets through your contact person at Klüber Lubrication.

Pack sizes	Klüberfluid FI 18-2200 US
Keg	120 lb
Tote	2350 lb

Product data	Klüberfluid FI 18-2200 US
Article number	320791
Colour	off-white
Density, DIN 51757, 20 °C	Approx. 0.87 g/cm ³
Upper service temperature	120 °C (248 °F)
Lower service temperature	-20 °C (-4 °F)
Base oil type	Mineral and synthetic hydrocarbon
Base oil kinematic viscosity, DIN 51562 pt. 01/ASTM D445/ASTM D7042, 40 °C	Approx. 220 mm ² /s

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Product data	Klüberfluid FI 18-2200 US
Base oil viscosity index, ASTM D2270	Approx. 104
Thickener type	Aluminum complex
Shear viscosity, DIN 51810 pt. 1, 25 °C, 300 s-1	1600 – 2400 mPa·s
Lincoln ventmeter, -20 °C, pressure at 30 second	<= 600 psi
Flow Pressure, -20 °C, DIN 51805	<= 800 mbar
4-ball wear, ASTM D2266, 40 kgf	<= 0.55 mm
4-ball welding load, ASTM D2596	>= 200 kgf
Copper corrosion, ASTM D4048, 100 °C, 24 hrs	1b or better
Static water resistance, DIN 51807 pt. 1	<= 1
Minimum shelf life – if the product is stored in its unopened original container in a dry, frost-free place, approx.	24 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.

Klüber Lubrication NA LP

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The data in this document is based on our general experience and knowledge at the time of publication 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 field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.