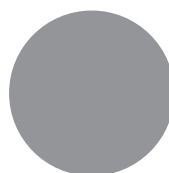


FM GEAR OIL Series

Product Information

Gear fluids for food and beverage processing equipment



FM GEAR OIL 220 and **460** are anti-wear fluids designed for the lubrication of enclosed gears in the food and beverage processing and packaging industry.

They are based on a careful blend of base fluids and selected additives chosen for their ability to meet the stringent requirements of the food and beverage industry.

Certified by NSF for ISO 21469 and registered by NSF (Class H1) for use where there is potential for incidental food contact. Produced according to FLT Quality Standards, in facilities where HACCP audit and Good Manufacturing Practice have been implemented and form part of the quality and hygiene management systems ISO 9001 and ISO 21469.

CERTIFICATIONS AND SPECIFICATIONS

- NSF H1
- NSF ISO 21469
- Kosher
- Halal
- DIN 51517 CLP
- ISO 6743-6 L-CKC



PERFORMANCE FEATURES

- The base fluid has been selected for its ability to provide good lubrication under variety of applications
- Suitable for steel on steel and phosphor-bronze wheel applications
- Good anti-wear and extreme pressure characteristics
- Good anti-oxidant properties, resisting the formation of deposits and sludge at elevated temperatures
- Neutral odour and taste

APPLICATION TEMPERATURE

0°C bis +110 °C (short peak +120 °C)

SEAL AND PAINT COMPATIBILITY

Compatible with the elastomers, gaskets, seals and paints normally used in food machinery lubrication systems.

HANDLING AND STORAGE

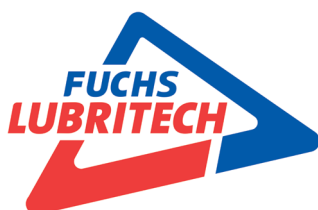
All food grade lubricants should be stored separately from other lubricants, chemical substances and foodstuffs and out of direct sunlight or other heat sources. Store between 0 °C and +40 °C. Provided that the product has been stored under these conditions we recommend to use the product within 5 years from the date of manufacture. Upon opening a pack, the product must be used within 2 years (or within 5 years of date of manufacture, whichever is the sooner).

APPLICATIONS

- Lubrication of enclosed gear boxes used in the food industry
- Also intended for use in equipment manufacturing packaging

TYPICAL CHARACTERISTICS (Typical for current production. Variations in these characteristics may occur.)

			FM GEAR OIL	
			220	460
Property		Test Method		
NSF Reg. No.			144715	144716
Colour			Colourless	
Density at +15 °C	kg/m ³	ISO 12185	875	880
Flashpoint	°C	ISO 2592	265	262
Pourpoint	°C	ISO 3016	-12	
Kin. Visc. at +40 °C	mm ² /s	ISO 3104	220	460
Kin. Visc. at +100 °C	mm ² /s	ISO 3104	20.0	33.0
Viscosity index		ISO 2909	106	109
FZG-Test A/8.3/90 Failure Load Stage		ISO 14635-1	>12	



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 A Member of the
 FUCHS PETROLUB Group

As far as we know these information reflect the current state of knowledge and our research. They cannot, however, be taken as an assurance about the properties nor as a guarantee of the suitability of the product for the individual case in point. Before using our products the purchaser must, therefore, check the suitability and be satisfied that the output will be satisfactory. Our products are continually being up-dated. We reserve the right, therefore, to alter the information of this product information at any time and without prior announcement. We are specialized in developing products for extreme tribological problems in cooperation with end users. FUCHS LUBRITECH provides service and individual advice. Please contact us! E-Mail: cassida.lubricants@fuchs-lubritech.de