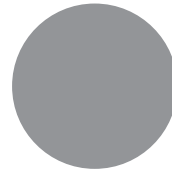


FM GREASE HD 2

Product Information

Specialty semi-synthetic heavy-duty grease for food and beverage processing equipment



FM GREASE HD 2 is a heavy-duty lubricant specially developed for the grease lubrication of machinery where frequent changes and re-applications of the grease charge are required, such as machines used to process pet food and animal feed.

It is based on a modified aluminium complex thickener, 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



PERFORMANCE FEATURES

- Good wash out resistance to hot and cold water
- Good oxidation and mechanical stability
- Good corrosion prevention characteristics
- Good adhesive properties
- Neutral odour and taste

APPLICATIONS

- Recommended for use in machinery where frequent changes of the grease charge are required or there is high product consumption rate
- Slow and medium speed plain and rolling element bearings
- Heavy-loaded and shock-loaded applications
- Joints, linkages and slides
- Overhead track systems
- May also be used as protective antitrust film and as release agent on gaskets and seals of tank closures

OPERATING TEMPERATURES

-10 °C to +140 °C (peak up to +150 °C)

SEAL AND PAINT COMPATIBILITY

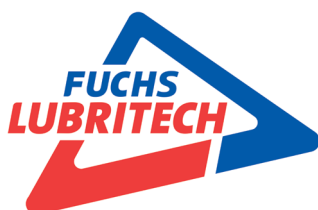
Compatible with the elastomers, gaskets, seals and paints normally used in food machinery lubrication systems.

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 that the product be used within 3 years from the date of manufacture. Upon opening a pack, the product must be used within 2 years (or within 3 years of date of manufacture, whichever is the sooner).

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

		FM GREASE HD 2	
Property	Test Method		
NSF Reg. No.		144718	
Appearance		Off-white, tacky paste	
Type of thickener		Modified aluminium complex	
Worked penetration at +25°C $\frac{1}{10}$ mm	ISO 2137	265 - 295	
NLGI number	DIN 51818	2	
Kin. Visc. (base oil) at +40°C mm ² /s	ISO 3104	550	
Kin. Visc. (base oil) at +100°C mm ² /s	ISO 3104	37.8	
Dropping Point °C	ISO 2176	>240	
Pumpability:	Safematic	(achieved length at lines with 22/28 mm diameter)	
+30 °C m	(increase to 130	72 / 72	
+20 °C m	bar / decrease	72 / 72	
+10 °C m	to 50 bar of the	72 / 72	
+0 °C m	grease in a 72m	54 / 66	
-10 °C m	centralised lubri-	18 / 42	
-20 °C m	cating system)	6 / 6	
Classification DIN	DIN 51502	KP 2 N-10	
Classification ISO	ISO 6743-9	L-XADEB 2	



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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