

CASSIDA Product Information



LUBRITECH
Special Application Lubricants

FM FLUID HF Series

Synthetic hydraulic fluids for food manufacturing machinery



Hydraulics



Roller Bearings



NSF registered

Description

CASSIDA FLUID HF 15, 32, 46, 68 and 100 are high performance, anti-wear multipurpose lubricants, specially developed for use in machinery used in the food and beverage processing and packaging industry.

They are based on a careful blend of synthetic fluids and selected additives chosen for their ability to meet the stringent requirements of the food 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 LUBRITECH 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 51524 HLP
- DIN 51524 HVLP (except HF 15)

Performance Features

- The base fluid has an ability to provide superior lubrication under the majority of operating conditions
- Good anti-wear performance offers long and reliable component life, resulting in greater plant utilization and therefore lower maintenance costs
- Prevent component damage through excellent water separation properties, which resist formation of potentially harmful emulsions

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- Excellent air release and antifoam characteristics minimize cavitations
- Resist the formation of harmful products of oxidation, even at elevated temperatures, resulting in long oil life.
- Neutral odor and taste
- High viscosity index results in minimum variation of viscosity with change in temperature
- Effective protection against corrosion of metal surfaces

Applications

- Hydraulic systems
- Hydrostatic gears
- Plain and anti-friction bearings
- General purpose lubrication including light duty gearboxes
- Circulating oil systems

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 32°F and +100 °F. 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 sooner).

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Typical characteristics

Property	HF 15	HF 32	HF 46	HF 68	HF 100	Unit	Test Method
NSF Reg. No.	147336	147337	147338	147339	147340		
Color	Colorless	Colorless	Colorless	Colorless	Colorless		
Density at +15 °C	819	832	836	843	841	kg/m ³	ISO 12185
Flash Point	200 (392)	222 (431)	248 (478)	256 (492)	268 (514)	°C (°F)	ISO 2592
Pour Point	< -60 (-76)	< -60 (-76)	< -60 (-76)	-57 (-70)	-57 (-70)	°C (°F)	ISO 3016
Kin. Visc. at +40 °C	15	32	46	68	100	mm ² /s	ISO 3104
Kin. Visc. at +100 °C	3.6	6.1	7.9	10.9	14.1	mm ² /s	ISO 3104
Viscosity Index	125	140	142	151	143		ISO 2909
FZG-Test A/8.3/90 Failure Load Stage	---	---	12	>12	>12		ISO 14635-1

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@fuchsus.com