

Food grade oils

Hydraulic oils ISO L-HM

FAMHIDO[®] HD FG

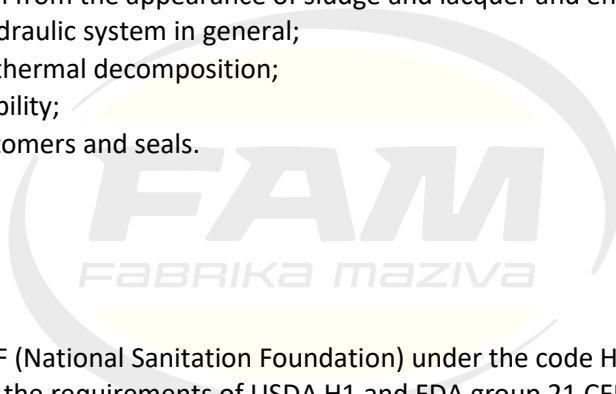
Multifunctional oils are produced on the basis of highly refined non-toxic white oil of pharmacopoeia purity and non-toxic additives approved for use in food industry. They have neither taste nor smell. They provide good antiwear and anticorrosion protection and have extraordinary oxidation stability. They are suitable for use in hydraulic equipment, gear transmissions, bearings and as circulating oils.

ADVANTAGES

- Excellent lubrication;
- Excellent flowability at low temperatures and high flash point allow the use of this oil in wide temperature range;
- High index enables slight change in viscosity at different temperature variations;
- They do not create foam and air and thus prevent the appearance of the cavitation of the oil pump;
- Good oxidation stability even in the presence of water effectively protects the metal parts of the hydraulic system and prolongs the application period;
- Excellent water separation and prevention of potential harmful emulsion appearance;
- They protect the system from the appearance of sludge and lacquer and enable reliable operation of hydraulic valves and hydraulic system in general;
- Excellent resistance to thermal decomposition;
- Excellent hydrolytic stability;
- Compatibility with elastomers and seals.

QUALITY LEVEL

ISO 6743-4



They are approved by NSF (National Sanitation Foundation) under the code H1 (lubricants with incidental food contact). They meet the requirements of USDA H1 and FDA group 21 CFR 178.3570 (lubricants that may come into contact with food). They can be used as oils corresponding to the qualities of HLP, HVLP, CLP and VB.

APPLICATION

FAMHIDO[®] HD FG oils are applied:

- For general lubrication in all systems where it is required to use lubricants which are allowed to be in direct contact with food, in accordance with HACCP-programme;
- In all hydraulic systems where it is required to use lubricants which are allowed to be in direct contact with food, in accordance with HACCP-programme;
- In circulation systems for the lubrication of gear transmissions, sliding and rolling bearings operating under low and medium load conditions and at elevated or lower operating temperatures and where it is required to use the lubricants which are allowed to be in direct contact with food, in accordance with HACCP-programme;

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- For the lubrication of low and medium loaded friction nodes, sliding and rolling bearings, folds, chains and other mechanisms operating at temperatures from -20°C to +175°C where it is required to use the lubricants which are allowed to be in direct contact with food, in accordance with HACCP-programme;
- In the pharmaceutical industry;
- In cosmetics industry;
- In agriculture;
- In the animal food production industry;
- In the food industry:

In the meat industry, egg farms, fish processing and seafood factories, wine production, factories for juice bottling and production, fruit and vegetable processing, cheese and dairy products production, bakeries, confectionery industry, pasta production, food preservation factories, water bottling factories, edible oil producers and sugar producing companies. It is also used in the processing of vegetables, meat, fat and sugar.

TYPICAL CHARACTERISTICS

				METHOD
VG viscosity grade	FAMHIDO [®] HD 32 FG	FAMHIDO [®] HD 46 FG	FAMHIDO [®] HD 68 FG	ISO 3448-92
Density at 15°C, g/ cm ³	0,869	0,867	0,880	SRPS EN ISO 3675
Kinematic viscosity at 40°C, mm ² /s	32	46	68	SRPS ISO 3104
Kinematic viscosity at 100°C, mm ² /s	5.4	7.05	9.0	SRPS ISO 3104
Viscosity index	102	111	107	SRPS ISO 2909
Flash point, °C	205	225	235	SRPS ISO 2592
Pour point, °C	-18	-18	-15	SRPS EN ISO 3016
Demulsibility at 54°C, ml-ml-ml/min	40-40-0/10'	40-40-0/20'	40-40-0/20'	SRPS ISO 6614
Cu corrosion, 3h/100°C, degree	1a	1a	1a	SRPS EN ISO 2160
Antiwear test 1200mim ⁻¹ , 200N, 75°C, mm	0.3	0.3	0.3	ASTM D 4172

STORAGE

Store in covered area. If stored outdoors, it is necessary to place the drums in a horizontal position to prevent the accumulation of water on the surface of the drum. Do not store at elevated temperatures or in locations exposed to direct sunlight.

All necessary instructions can be found in the product SDS. It contains the details of possible hazards, warnings and first aid measures, as well as the impact on the environment and the necessary measures for the storage and handling.

PACKING

5L, 10L and drums 180kg

Data are orientational, manufacturer reserves the right to make changes in order to improve product quality.