

FM 3000 SERIES

LUBRICATING FLUIDS

Synthetic Lubricating Fluids for Food Processing Machinery

Product Description

FM 3000 series synthetic oils are highly effective extreme pressure capable food machinery lubricating fluids based on synthetic hydrocarbons (PAO) for providing high performance under severe operating conditions.

Formulated with a selected blend of premium grade additives for high load carrying, high temperature oxidation and corrosion protection, these oils are designed for maximum performance under the most demanding operating conditions.

High degree of thermal & oxidation stability allows for extended lubrication, increase in re-lubrication intervals and reduction in lubricant costs.

Meet requirements of NSF H-1 (lubricants with incidental food contact) and contain ingredients permitted under FDA 21 CFR 178.3570 H-1.

Uses / Application

- Food processing (H-1)
- Hydraulic systems
- Poultry processing
- Meat processing
- Circulating oils
- Breweries
- Pharmaceutical manufacturing machinery
- Lubrication of enclosed gears, chains, joints, guides, conveyors, roller bearings, valves

Benefits

▪ NSF H-1 Registration Certificate # 158632

- Reduce and protect gear teeth wear
- Improve efficiency and energy saving by way of lesser power consumption
- Excellent extreme pressure protection
- Outstanding thermal and oxidative stability
- Reduce lubricant consumption
- Prolong oil change intervals and extended drains
- Superior EP additives provide excellent load carrying
- Possess very high shear stability
- Increase service life of equipment
- Reduce maintenance costs and downtime
- Provide complete protection from rust and corrosion
- Low foaming tendencies
- Compatible with all commonly used elastomers, gaskets and sealing materials

Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards. Safety data sheet is available from us or your local distributor.

Limited Warranty

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty.

Disposal

All used and unused product should be disposed of in accordance with state regulations.

FM 3000 SERIES LUBRICATING FLUIDS

TECHNICAL PROPERTY							
Parameter	Value					Unit	Standard
FM Series	3000/22	3000/32	3000/46	3000/68	3000/100		
Base Oil	Synthetic	Synthetic	Synthetic	Synthetic	Synthetic		In house
Specific Gravity	0.80±0.05	0.80±0.05	0.80±0.05	0.80±0.05	0.80±0.05	g/cc	ASTM D 1298
Color	Colorless	Colorless	Colorless	Colorless	Colorless		Visual
Viscosity, 40°C	20-24	30-35	40-48	60-74	90-110	mm ² /s	ASTM D 445
Viscosity, 100°C	4.5-5.5	4-6	6-8	9-11	11-16	mm ² /s	ASTM D 445
Viscosity Index	115	138	127	141	136		ASTM D 227
Viscosity Class	22	32	46	68	100		
Pour Point °C	-57	-60	-41	-41	-40		ASTM D 97
Flash Point °C	+240	+245	+260	+260	+260	°C	ASTM D 92
Copper Strip Corrosion Test	1a	1a	1a	1a	1a	°C	ASTM D 130

TECHNICAL PROPERTY							
Parameter	Value					Unit	Standard
FM Series	3000/150	3000/220	3000/320	3000/460	3000/680		
Base Oil	Synthetic	Synthetic	Synthetic	Synthetic	Synthetic		In house
Specific Gravity	0.83±0.05	0.83±0.05	0.83±0.05	0.83±0.05	0.83±0.05	g/cc	ASTM D 1298
Color	Colorless	Colorless	Colorless	Colorless	Colorless		Visual
Viscosity, 40°C	135-165	200-240	290-350	420-500	620-740	mm ² /s	ASTM D 445
Viscosity, 100°C	17-21	20-25	25-30	35-42	41-46	mm ² /s	ASTM D 445
Viscosity Index	130	130	130	135	128		ASTM D 227
Viscosity Class	150	220	320	460	680		
Pour Point °C	-40	-39	-39	-36	-27	°C	ASTM D 97
Flash Point °C	+260	+260	+270	+270	+240	°C	ASTM D 92
Copper Strip Corrosion Test	1a	1a	1a	1a	1a		ASTM D 130

General

Use in well ventilated areas. Avoid continuous breathing of vapor and spray mist. In closed areas or areas with poor ventilation, use respiratory protection. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

Disposal

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Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards. Safety data sheet is available from ASV or your local ASV distributor.

Available Packaging

5 liter, 30 liter

Shelf Life

36 months from date of manufacture in sealed condition.

Limited Warranty

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