

ANDEROL PRODUCT DATA SHEET

ANDEROL® FGH SERIES

SYNTHETIC FOOD GRADE HYDRAULIC FLUIDS

GENERAL INFORMATION

ANDEROL FGH Series Products, available in ISO grades 32 to 100, are synthetic hydrocarbon (PAO) based hydraulic fluids that meet H-1 requirements and can be used where incidental food contact can occur.

ANDEROL Food Grade Hydraulic Fluids are comprised of FDA approved ingredients in accordance with 21 CFR 178.3570. They are also certified Kosher for Pareve by the Orthodox Union and Halal by INFANCA.

TYPICAL PROPERTIES:

PROPERTY	TEST METHOD	FGH-32	FGH-46	FGH-68	FGH-100
ISO Viscosity Grade	ASTM D-2422	32	46	68	100
Viscosity @ 40°C, cSt	ASTM D-445	31.5	47.0	66.3	96.1
Viscosity @ 100°C, cSt	ASTM D-445	5.9	7.8	10.0	12.8
Viscosity @ 100 °F, SUS	ASTM D-2161	162.5	242	342	499
Viscosity @ 210 °F, SUS	ASTM D-2161	46.0	52.4	60.1	70.7
Viscosity Index	ASTM D-2270	134	135	135	129
Pour Point, °C	ASTM D-97	-75	-70	-65	-60
Flash Point, °C	ASTM D-92	241	241	243	243
Copper Strip Corrosion, 3 hrs, 212°F (100°C)	ASTM D-130	1a	1a	1a	1a
Rust Test	ASTM D-665 B	Pass	Pass	Pass	Pass
Color	ASTM D-1500	1	1	1	1
Four-Ball Wear Test, 1200 rpm, 167°F (75°C), 40 Kg, 1 hr, mm	ASTM D-4172	0.4	0.4	0.4	0.4
Specific Gravity 60°F (15.6 °C)	ASTM D-1298	0.83	0.83	0.84	0.84

ADVANTAGES

- Reduces varnish and deposits
- Save on normally required replacement parts and maintenance associated with wear and deposits from mineral oil
- High viscosity index for improved system performance
- Greatly reduces possibility of fire and explosion hazard

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For more information please refer to the relevant Material Safety Data Sheet accompanying each product.

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APPLICATIONS

Recommended for hydraulic systems in Food processing machinery.
Also recommended for:

Bearings
Valves
Bottling machinery

Chains
Canning

This material can be applied by a various methods, such as: Bath, Reservoir, and Force-feed lubricator or Circulating pump.

COMPATIBILITY

ANDEROL synthetic hydrocarbon based lubricants are similar to mineral oils in their compatibility with paints, seals, gaskets and hoses. No special precautions related to compatibility are required when changing over from a mineral oil lubricant to an ANDEROL synthetic hydrocarbon based lubricant.

APPROVALS

ANDEROL and PQ® Food Grade Lubricants are approved, recommended, and field tested by many OEM's in the food processing, baking, bottling, canning, meat processing, and pharmaceutical industries.

NSF International under "USDA Regulations, Proprietary Substances and Nonfood Compounds" lists ANDEROL and PQ food grade lubricants. (See WWW.NSF.ORG) ANDEROL food grade lubricants also meet the certification requirements recommended by the National Lubricating Grease Institute (NLGI) and the European Lubricating Grease Institute (ELGI).

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Specialty Lubricants