

JAX FGH-AW SERIES HYDRAULIC OILS

FG-H1 FOOD-GRADE LUBRICATING FLUIDS



PRODUCT DESCRIPTION

JAX FGH-AW Series food-grade hydraulic fluids are compounded with advanced additive technologies to provide superior performance over competitive food-grade hydraulic oils. They contain proprietary, optimized combinations of antiwear agents, and rust inhibitors, that provide outstanding long-term wear advantages over other food-grade hydraulic oils, while their robust antioxidant chemistry ensures deposit-free operation.

JAX FGH-AW Series oils are shear-stable, long-life lubricants based on high quality, USP white mineral base oils. The proprietary antiwear additive blend prevents wear in high-speed, high-pressure vane and gear pumps while meeting the lubrication requirements of axial piston pumps having bronze-on-steel metallurgy. JAX FGH-AW Series oils are designed for long life and typically reduce maintenance cost by extending drain intervals and reducing labor associated with repairs, downtime, and change-outs.

PRODUCT BENEFITS

- **Good All-Season Lubricant**—JAX's USP white mineral base oils are thermally and oxidatively stable, preventing carbon or varnish deposits. The high viscosity indices, low pour points, and minimal wax content, make these good all-season lubricants well suited for temperature extremes. At high temperatures and pressures, these oils will provide a good lubricating film and protect components against wear. During cold temperature operation, equipment will start easier and the need for preheating with sump heaters is reduced.
- **Water Resistant**—The base oils used are hydrolytically stable and readily separates from water. This prevents unwanted oil/water emulsions that inhibit the oil's ability to lubricate, allows for longer lubricant life, and means water can easily be drained from the sump.

- **Provide Enhanced Wear Protection**—Vane pumps comprise the majority of pumps used in hydraulic systems, and require the most antiwear protection due to the high contact pressures developed at the vane tip. JAX FGH-AW Series fluids have been specifically formulated to provide enhanced wear protection, over conventional R&O hydraulic oils, dramatically increasing pump life.
- **Micronox® Technology**—JAX FGH-AW Series Hydraulic Oils contains the performance benefits of Micronox® antimicrobial technology that provides preservative protection for the product. A first in food-grade lubricants, JAX Micronox® has proven especially effective in protecting JAX FGH-AW Series Hydraulic Oils over extended lubrication intervals.

APPLICATIONS

The correct viscosity grades of JAX FGH-AW Series fluids are recommended for high- and low-pressure gear, vane and piston stationary and mobile hydraulic systems. They are excellent for general-purpose use where extended drain intervals are desired, based on oil analysis. Even though recommended for all-season use, FGH-AW ISO 32 is the best choice for temperatures less than 20°F (-29°C) because it is light-bodied and has good cold-temperature properties.

COMPATIBILITY

JAX FGH-AW Series fluids are compatible with hydraulic system seals, petroleum hydraulic oils, and most synthetic hydraulic oils. (Not compatible with phosphate ester or silicone fluids.) For optimum performance it is recommended that the system be thoroughly drained and if warranted, cleaned prior to installation.



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PERFORMANCE FEATURES AND BENEFITS

- Antiwear Protection for High-Pressure Systems
- Recommended for Gear, Vane and Piston Pumps
- Rust, Oxidation and Foam Inhibited
- Designed for Extreme-Temperature Operations
- Hydrolytically Stable and Readily Separates from Water

MEETS PERFORMANCE REQUIREMENTS

- NSF H1 Registered
- Meets Requirements of USDA H1
- Kosher and Parve Certified
- Micronox® Antimicrobial Technology

TYPICAL PROPERTIES	ISO 32 (50032)	ISO 46 (50046)	ISO 68 (50068)	ISO 100 (50100)	METHOD
Viscosity @ 40°C, cSt	31.1	46.5	67.4	103.4	ASTM D 445
Viscosity @ 100°C, cSt	5.3	6.9	8.6	11.8	ASTM D 445
Viscosity Index	102	104	98	103	ASTM D 2270
ISO Viscosity Grade	32	46	68	100	ASTM D 2422
SAE Viscosity Grade	10	20	20	30	SAE J300
Pour Point, °F (°C)	-18 (-28)	-9 (-23)	-8 (-22)	-8 (-22)	ASTM D 97
Flash Point, °F (°C)	400 (204)	410 (210)	428 (220)	482 (250)	ASTM D 92
Fire Point, °F (°C)	414 (212)	424 (218)	475 (246)	536 (280)	ASTM D 92
Specific Gravity	0.8550	0.8649	0.8692	0.8713	ASTM D 1298
Water Separability, oil-water-cuff (min.)	40-40-0 (10)	40-40-0 (10)	40-40-0 (15)	40-40-0 (15)	ASTM D 1401
Foaming Characteristics, Initial/Final Vol. (time)	0/0/0	0/0/0	0/0/0	0/0/0	ASTM D 892
Rust Test					ASTM D 665
Method A - Distilled Water	Pass	Pass	Pass	Pass	
Method B - Synthetic Sea Water	Pass	Pass	Pass	Pass	
Copper Strip Corrosion	1a	1a	1a	1a	ASTM D 130
Four-Ball Wear, mm	0.40	0.40	0.38	0.38	ASTM D 4172
Micronox® Antimicrobial Technology	Yes	Yes	Yes	Yes	
NSF Registration No. / Category Code	124539 / H1	124540 / H1	124541 / H1	127299 / H1	

CONTAINER SIZE	ISO 32	ISO 46	ISO 68	ISO 100
275 Gallon Tote - 275	50032-275	50046-275	50068-275	50100-275
110 Gallon Tote - 110	50032-110	50046-110	50068-110	50100-110
55 Gallon Drum - 055	50032-055	50046-055	50068-055	50100-055
16 Gallon Keg - 016	50032-016	50046-016	50068-016	50100-016
5 Gallon Pail - 005	50032-005	50046-005	50068-005	50100-005
4-1 Gallon Case - 004	50032-004	50046-004	50068-004	50100-004
Bulk	50032	50046	50068	50100

