JAX MAGNA-PLATE 60 SERIES

FG-H1 FOOD-GRADE LUBRICATING FLUIDS

PRODUCT DESCRIPTION

JAX Magna-Plate 60 Series food machinery lubricating oils are state-of-the-art, NSF H1 Registered, food-grade lubricants specifically designed for use in a variety of food-processing applications previously considered too severe for food-grade lubricants. Formulated using the latest developments in food-grade additive technology, JAX Magna-Plate 60 Series provide maximum R&O, wear, and extreme-pressure protection. JAX Magna-Plate 60 Series meet the requirements of 21 CFR 178.3570 (lubricants with incidental food contact).

PRODUCT BENEFITS

- **Excellent High- and Low-Temperature Performance**—JAX Magna-Plate 60, 62, 64 & 66 can be used in low ambient temperatures, yet maintain sufficient body to perform at high temperatures. By replacing your lower performing food-grade multipurpose oil with JAX Magna-Plate 60 Series, you will extend the life and lubrication intervals of your costly equipment.
- **Superior Additive Performance**—These oils are formulated with advanced additive technologies to provide superior performance over competitive food-grade multipurpose oils. They contain proprietary, optimized combinations of antiwear agents, rust inhibitors, and polymeric viscosity improvers that provide outstanding long-term wear advantages over other food-grade gear oils, while their robust antioxidant chemistry ensures deposit-free operation.
- **Longer Drain Intervals**— JAX Magna-Plate 60 Series outperforms conventional fluids in thermal and oxidative stability, as demonstrated by the Rotary Pressure Vessel Oxidation Test (ASTM D 2272). This enhanced performance translates into longer drain intervals and trouble-free operation.
- **Excellent Water Separation and Air Entrainment**—Magna-Plate 60 Series readily separates from water and air, eliminating emulsions that inhibit the oil's ability to lubricate. Rapid water separation ensures easy drainage from the sump, reducing the potential for rust and corrosion to the system components.
- **Micronox® Technology**—JAX Magna-Plate 60 Series 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 Magna-Plate 60 Series over extended lubrication intervals.

APPLICATION

JAX Magna-Plate 60 Series fluids are recommended for demanding industrial applications requiring a premium food-grade lubricant. Applications include, but are not limited to, hydraulic systems, mist or spray chain lubricators, cam rollers, slide valves, drip lubrication systems, air compressors, oil bearings, gearboxes, or anywhere a food-contact USDA/NSF H1-authorized oil is required.

COMPATIBILITY

JAX Magna-Plate 60 Series fluids are compatible with seals, petroleum oils, and most synthetic oils. (Not compatible with phosphate ester, silicone fluids, or polyalkylene glycols.) For optimum performance it is recommended that the system be thoroughly drained and, if warranted, cleaned prior to installation.

JAX

FG H1

HYDRAULIC FLUIDS

JAX MAGNA-PLATE 60 SERIES

PERFORMANCE FEATURES AND BENEFITS

- Outstanding Antiwear Protection for High-Pressure Systems and Pumps
- Resists the Formation of Sludge, Varnish, and Corrosive Acids
- Rust, Oxidation and Foam Inhibited
- Superior Oxidation Stability for Long, Trouble-Free Life
- Hydrolytically Stable and Readily Separates from Water
- Recommended for Gear, Vane and Piston Pumps
- Excellent R&O, Gear, and Bearing Performance

MEETS PERFORMANCE REQUIREMENTS

- NSF H1-Registered
- Kosher and Pareve Certified
- Compliant with FDA 21 CFR 178.3570 Lubricants with Incidental Food Contact
- Denison HF-0, HF-1 and HF-2
- Racine Variable Volume Vane Pumps
- Vickers M-2950-S and I-286-S
- Cincinnati Milacron P-68, P-69, and P-70
- U.S. Steel 127 and 136

TYPICAL PROPERTIES	60 (00600)	62 (06620)	64 (00640)	66 (00660)	METHOD
Viscosity @ 40°C, cSt	31.5	45.4	66.7	101.2	ASTM D 445
Viscosity @ 100°C, cSt	5.3	6.7	8.6	11.5	ASTM D 445
Viscosity Index	99	100	100	100	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)	-4 (-20)	-20 (-29)	-6 (-21)	-8 (-22)	ASTM D 97
Flash Point, °F (°C)	392 (200)	406 (208)	428 (220)	482 (250)	ASTM D 92
Fire Point, °F (°C)	414 (212)	428 (220)	468 (242)	536 (280)	ASTM D 92
Specific Gravity	0.8639	0.8670	0.8692	0.8745	ASTM D 1298
Color	Water white	Water white	Water white	Water white	
Water Separability, oil-water-cuff (min.)	40-40-0 (10)	40-40-0 (10)	40-40-0 (10)	40-40-0 (10)	ASTM D 1401
Foaming Characteristics, Initial/Final Vol. (time)					ASTM D 892
Sequence I	0/0 (10 sec.)	0/0 (10 sec.)	0/0 (10 sec.)	0/0 (10 sec.)	
Sequence II	5/0 (10 sec.)	5/0 (10 sec.)	2/0 (10 sec.)	6/0 (10 sec.)	
Sequence III	0/0 (10 sec.)	0/0 (10 sec.)	2/0 (10 sec.)	4/0 (10 sec.)	
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	0.45	0.40	0.40	0.35	ASTM D 4172
AGMA Classification	--	1	2	3	
NSF Registration No. / Classification Code	124538 / H1	124636 / H1	124637 / H1	124635 / H1	

JAX products undergo continual improvement in formulation and manufacture. The values indicated in this PDS are typical production values at the time of this writing. JAX reserves the right to alter and update product data and typical values at any time without notice. It is the responsibility of the installer and/or purchaser to determine if these specifications are adequate and proper for the intended application. MSDS information may be found at www.jax.com or by contacting JAX INC.

CONTAINER SIZE	60	62	64	66
2000 Pound Tote - 276	00600-276	00620-276	00640-276	00660-276
800 Pound Drum - 800	00600-800	00620-800	00640-800	00660-800
400 Pound Drum - 400	00600-400	00620-400	00640-400	00660-400
120 Pound Keg - 120	00600-120	00620-120	00640-120	00660-120
35 Pound Pail - 035	00600-035	00620-035	00640-035	00660-035
4 - 1 Gallon Case - 004	00600-004	00620-004	00640-004	00660-004
Bulk	00600	00620	00640	00660

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