

JAX MAGNA-PLATE FG ISO GEAR OILS

**PARTIAL SYNTHETIC, FG-H1 REGISTERED,
HIGH-PERFORMANCE, EXTREME-PRESSURE
FOOD-GRADE GEAR OIL**



PRODUCT DESCRIPTION

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

PRODUCT BENEFITS

- **Enhanced Extreme-Pressure Protection**—The ability to form a tenacious lubricating film allows these fluids to meet the requirements for EP gear oils as established by the American Gear Manufacturers Association (AGMA).
- **Superior Additive Performance**—These oils are formulated with advanced additive technologies to provide superior performance over competitive food-grade gear 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.
- **Water Resistant**—Hydrolytic stability and demulsibility are important features provided by JAX Magna-Plate FG ISO Gear Oils. Prevention of oil/water emulsions increase lubricant life and enhances equipment performance by allowing the gearboxes to be drained of water caused by the environment, processes or condensation.

APPLICATIONS

JAX Magna-Plate FG ISO Gear Oils are recommended for industrial applications operating under increased loads and shock conditions. Applications include, but are not limited to, enclosed industrial spur, bevel, herringbone, helical and worm gears, chain drives, sprockets and most metal-on-metal systems requiring improved extreme-pressure performance. These lubricants are excellent for use in severe operating conditions and their semi-synthetic properties make them good all-season lubricants.

COMPATIBILITY

JAX Magna-Plate FG ISO Gear Oils are compatible with gearbox seals, petroleum gear oils, and most synthetic gear oils*. For optimum performance, it is recommended that the system be thoroughly drained and, if warranted, cleaned prior to installation.

*JAX Magna-Plate FG ISO Gear Oils, as well as other synthetic or mineral-based oils, are not compatible with polyglycol-type gear oils. Thorough flushing prior to changeover is required.



GEAR LUBES

JAX MAGNA-PLATE FG ISO GEAR OILS



PERFORMANCE FEATURES AND BENEFITS

- NSF H1-Registered
- Kosher and Parve Certified
- Extreme-Pressure Protection for Heavily Loaded Systems
- Recommended for Gear, Vane and Piston Pumps
- Rust, Oxidation and Foam-Inhibited
- Hydrolytically Stable and Readily Separates from Water

TYPICAL PROPERTIES	220FG (00900)	320FG (01200)	460FG (01400)	METHOD
Viscosity @ 40°C, cSt	220.2	312.7	457.0	ASTM D 445
Viscosity @ 100°C, cSt	19.5	25.0	31.8	ASTM D 445
Viscosity Index	100	103	101	ASTM D 2270
ISO Viscosity Grade	220	320	460	ASTM D 2422
Pour Point, °F (°C)	2 (-19)	0 (-18)	-7 (-22)	ASTM D 97
Flash Point, °F (°C)	464 (240)	496 (258)	496 (258)	ASTM D 92
Fire Point, °F (°C)	525 (274)	523 (273)	522 (272)	ASTM D 92
Water Separability, oil-water-cuff (min)	40-40-0 (20)	40-40-0 (20)	40-40-0 (20)	ASTM D 1401
Foaming Characteristics				ASTM D 892
Sequence I	8/0	12/0	10/0	
Sequence II	6/0	10/0	12/0	
Sequence III	6/0	10/0	14/0	
Rust Test				ASTM D 665
Method A - Distilled Water	Pass	Pass	Pass	
Method B - Synthetic Sea Water	Pass	Pass	Pass	
Copper Strip Corrosion	1a	1a	1a	ASTM D 130
Four-Ball Wear, mm	0.38	0.38	0.33	ASTM D 4172
FZG Rating, Fail Load Stage	12+	12+	12+	DIN 51354
AGMA Classification	5 EP	6 EP	7 EP	AGMA 9005-E02
NSF Registration No./Category Code	124640/H1	124639/H1	124638/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	220FG	320FG	460FG
2000 Pound Tote - 276	00900-276	01200-276	01400-276
400 Pound Drum - 400	00900-400	01200-400	01400-400
120 Pound Keg - 120	00900-120	01200-120	01400-120
35 Pound Pail - 035	00900-035	01200-035	01400-035
4-1 Gallon Case - 004	00900-004	01200-004	01400-004



JAX INC.

Menomonee Falls, WI • Sacramento, CA • Nashville, TN
800.782.8850 • 262.781.8850 • www.jax.com



GEAR LUBES