

JAX FGG-AW SERIES GEAR OILS

NSF H1 FOOD GRADE PREMIUM GEAR OILS



FOOD GRADE

PRODUCT DESCRIPTION

JAX FGG-AW Series oils are shear-stable, long-life lubricants based on high quality, USP white mineral base oils. JAX FGG-AW Series oils are designed for long life and typically reduce maintenance costs by extending drain intervals and reducing labor associated with repairs, downtime, and change-outs. JAX FGG-AW Series meet the requirements of 21 CFR 178.3570 (lubricants with incidental food contact).

PRODUCT BENEFITS

- **Superior Additive Performance**—Formulated with advanced additive technologies to provide superior performance over competitive food-grade gear oils. Robust antioxidant chemistry ensures deposit-free operation.
- **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.
- **Water Resistant**—Hydrolytically stable and readily separate from water, preventing unwanted oil water emulsions that inhibit the oil's ability to lubricate and allowing water to be easily drained from the sump.
- **Enhanced Wear Protection**—Studies have shown that JAX FGG-AW Series fluids reduce wear by up to 95% over conventional rust and oxidation gear oils, dramatically increasing gearbox life.
- **Micronox® Technology**—A groundbreaking advance in food-grade technology with exceptional performance in preserving and protecting food-grade lubricants from microbial contamination.
- **NSF H1 Registered**
- **Kosher and Parve Certified**

APPLICATIONS

- Recommended for high- and low-pressure gear and vane systems
- Excellent for general-purpose use where extended drain intervals are desired

COMPATIBILITY

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 FGG-AW Series Fluids, as well as other synthetic or mineral-based oils, are not compatible with polyglycol-type gear oils. Thorough flushing prior to changeover is required.



JAX FGG-AW SERIES GEAR OILS

TYPICAL PROPERTIES	ISO 150	ISO 220	ISO 320	ISO 460	METHOD
Viscosity @ 40°C, cSt	148.3	220.2	312.7	456.3	ASTM D 445
Viscosity @ 100°C, cSt	15.0	19.5	25.0	31.9	ASTM D 445
Viscosity Index	101	100	103	101	ASTM D 2270
ISO Viscosity Grade	150	220	320	460	ASTM D 2422
AGMA Gear Classification	4EP	5EP	6EP	7EP	
Pour Point, °F (°C)	0 (-18)	2 (-19)	0 (-18)	-7 (-22)	ASTM D 97
Flash Point, °F (°C)	464 (240)	464 (240)	496 (258)	496 (258)	ASTM D 92
Fire Point, °F (°C)	525 (274)	525 (274)	523 (273)	522 (272)	ASTM D 92
Copper Strip Corrosion	1a	1a	1a	1a	ASTM D 130
Rust Test					ASTM D 665
Method A - Distilled Water	Pass	Pass	Pass	Pass	
Method B - Syn. Sea Water	Pass	Pass	Pass	Pass	
Four-Ball Wear, mm	0.40	0.40	0.38	0.35	ASTM D 4172
Foaming Characteristics					ASTM D 892
Sequence I	10/0	8/0	12/0	10/0	
Sequence II	6/0	8/0	8/0	12/0	
Sequence III	8/0	6/0	10/0	8/0	
Water Separability	40-40-0 (20)	40-40-0 (20)	40-40-0 (20)	40-40-0 (20)	ASTM D 1401
FZG Rating, Fail Load Stage	12+	12+	12+	12+	DIN 51354
NSF Registration/Category Code	136343/H1	136342/H1	136344/H1	136345/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. SDS information may be found at www.jax.com or by contacting JAX INC.

CONTAINER SIZE	ISO 150	ISO 220	ISO 320	ISO 460
275 Gallon Tote	FGGOM-275	FGGON-275	FGGOP-275	FGGOQ-275
55 Gallon Drum	FGGOM-055	FGGON-055	FGGOP-055	FGGOQ-055
16 Gallon Keg	FGGOM-016	FGGON-016	FGGOP-016	FGGOQ-016
5 Gallon Pail	FGGOM-005	FGGON-005	FGGOP-005	FGGOQ-005
Gallon (4/cs)	FGGOM-004	FGGON-004	FGGOP-004	FGGOQ-004



JAX INC.

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

