

JAX MAGNA-PLATE® 320FG-HG3

NSF H1 HEAVY DUTY FOOD GRADE GEAR OIL



FOOD GRADE

PRODUCT DESCRIPTION

JAX Magna-Plate 320FG-HG3 is manufactured from shear stable, high quality white oils and 100% synthetic base oils, and is fortified with advanced additive technology to deliver the highest levels of performance in food grade industrial gear applications. While specifically designed to provide exceptional corrosion protection, JAX Magna-Plate 320FG-HG3 also reduces maintenance costs by extending drain intervals and providing enhanced protection against wear and pitting.

PRODUCT BENEFITS

- **Resistant to Oxidation**—JAX Magna-Plate 320FG-HG3's synthetic base stocks and isodewaxed, hydro-cracked white oils are inherently resistant to oxidation, increasing drain intervals and reducing operating costs. At elevated operating temperatures, JAX Magna-Plate 320FG-HG3 resists the degradative effects of oxidation that cause poor lubricant performance, and maintains an optimal lubricating film for maximum equipment life.
- **High Performance Additive Package**—Formulated with antiwear and extreme pressure (EP) additives, antioxidants, rust and corrosion inhibitors, and antifoam agents. The enhanced rust and corrosion performance provides excellent protection in gearboxes subject to seasonal operation and less than ideal maintenance and storage conditions. The antioxidants increase the oxidation resistance of the base oils for long, clean lubricant performance. A carefully balanced blend of antifoam agents prevents foaming, ensuring proper lubrication.
- **NSF H1 Registered**
- **Meets AGMA rating for EP Gear Oils**

APPLICATIONS

- Industrial applications operating under heavy loads and shock conditions.
- Enclosed industrial spur, bevel, herringbone, helical and worm gears
- Chain drives, sprockets and most metal on metal systems
- Hostile environments and severe operating conditions
- Applications specifying AGMA rated EP gear oils

COMPATIBILITY

Although JAX Magna-Plate 320FG-HG3 is compatible with most synthetics and mineral oil based lubricants, for optimum performance it is recommended that the system be thoroughly drained and, if warranted, cleaned.

*JAX Magna-Plate 320FG-HG3, as well as other synthetic or mineral based oils, are not compatible with polyglycol type gear oils. Thorough flushing prior to changeover is required.



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| TYPICAL PROPERTIES | MAGNA-PLATE 320FG-HG3 | METHOD |
|-----------------------------------|-----------------------|---------------|
| Approximate ISO Viscosity Grade | 320 | ASTM D 2422 |
| AGMA Gear Classification | 6EP | AGMA 9005-E02 |
| Pour Point, °F (°C) | -30 (-34) | ASTM D 97 |
| Flash Point, °F (°C) | 432 (222) | ASTM D 92 |
| Fire Point, °F (°C) | 536 (280) | ASTM D 92 |
| Copper Corrosion | 1a | ASTM D 130 |
| Rust Prevention | | ASTM D 665 |
| Method A | Pass | |
| Method B | Pass | |
| Four-Ball wear, Scar Diameter, mm | 0.38 | ASTM D 4172 |
| Foaming Characteristics | | ASTM D 892 |
| Sequence I | 12/0 | |
| Sequence II | 10/0 | |
| Sequence III | 10/0 | |
| FZG Rating, Fail Load Stage | 12+ | DIN 51354 |
| NSF Reg. No. / Category Code | 124639 / 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

MAGNA-PLATE 320FG-HG3

| | |
|-----------------|-----------|
| 2000 Pound Tote | MPPHG-276 |
| 400 Pound Drum | MPPHG-400 |
| 120 Pound Keg | MPPHG-120 |
| 35 Pound Pail | MPPHG-035 |
| Gallon (4/cs) | MPPHG-004 |



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