

Formula 500FG Series

Antiwear protection for cold environments



JBT FoodTech Formula 500FG Series Gear Oils are compounded for use in severe-duty conditions where extreme temperatures can cause serious problems with conventional mineral oil or lesser grade synthetic based gear lubricants, plus they have the added benefit of being H1 Food Grade, for incidental food contact. Like our H2 Formula 500 Series gear oils, the FG Synthetic line up of gear oils are compounded with 100% PAO based fluids and the best available additive technologies to provide superior performance. They contain high doses of antiwear agents, rust inhibitors and viscosity improvers, which along with their antioxidant chemistry ensure, excellent long term wear protection and deposit free operation. Formula 500FG Series Gear Oils are designed

to operate in extremely low ambient temperatures, while still being able to maintain sufficient body to perform throughout the freezer cycle from freeze through C-I-P and sanitation or drying.

The results of these high quality formulations and additives are longer drain intervals, easier start up at colder temperatures, reduced wear and amperage draw and of course limited downtime. As the H2 Formula 500 Series Gear Oils, our Food Grade 500FG oils also exhibit excellent stability in the presence of water and superior demulsibility, which allows for the easy separation of water making draining off excess condensation an easy operation.

Formula 500FG Series Gear Oils

Features

- Long Life Oil Providing Extended Drain Intervals
- Meets Requirements of USDA H1
- Kosher and Parve Certified
- Fortified for Anti-wear, Antifoaming, Antirust and Antioxidant
- Hydrolytical Stability to Readily Separate Water
- Designed for Extreme-Temperature Operations as Found in JBT FoodTech Freezing Equipment

Benefits

- Consistent Use Will Reduce Maintenance Time and Cost
- Handles Temperature Swings Caused by Program Cycles
- Eases Cold Start-ups
- Meets or Exceeds All AGMA R&O and Synthetic Gear Oil Standards
- Extends Gear Box Life by Reducing the Potential for Rust and Corrosion to the System Components
- Offers a High Affinity to Metal Surfaces



Part Numbers:

Formula 532FG

365551A 5 Gallon Round Plastic Pail

365551B 55 Gallon Steel Drum

Formula 546FG

365549A 5 Gallon Round Plastic Pail

365549B 55 Gallon Steel Drum

Formula 568FG

365550A 5 Gallon Round Plastic Pail

365550B 55 Gallon Steel Drum

Typical Properties	532 FG	546 FG	568 FG
Viscosity @ 40°C, cSt	32.4	46.9	68.3
Viscosity @ 100°C, cSt	5.9	7.6	9.8
Viscosity Index	129	128	125
ISO Viscosity Grade	32	46	68
AGMA Synthetic Gear Classification	OS	1S	2S
Pour Point, °F (°C)	-65 (-54)	-44 (-42)	-44 (-42)
Flash Point, °F (°C)	453 (234)	464 (240)	475 (246)
Fire Point, °F (°C)	500 (260)	504 (262)	561 (294)
Copper Strip Corrosion	1a	1a	1a
SAE Grade	10	20	30
Rust Test			
Method A - Distilled Water	Pass	Pass	Pass
Method B - Synthetic Sea Water	Pass	Pass	Pass
Four-Ball Wear, Scar Diameter, mm	0.45	0.45	0.45
Specific Gravity (typical)	.8328	.8378	.8368
Color	Water White	Water White	Water White
USDA Qualified	H1	H1	H1

**To place an order or receive additional information call:
Order Entry Department 507-645-9546, 800-408-7788 option 3,
Fax 507-645-9664, email: frigostein.info@jbt.com**

www.jbtfoodtech.com