

Formula 322 Grease

Antiwear protection for cold environments



JBT FoodTech Formula 322 is a fully synthetic H1 Food-Grade grease developed to satisfy the extreme temperature conditions found in food processing freezer applications. The base soap is a revolutionary food-grade thickener which provides exceptional mechanical stability, very high load-carrying ability and remarkable rust and corrosion control. Additionally, Formula 322 has outstanding water resistance characteristics, a vital property for these freezers with C-I-P and sanitation cycles built in. The synthetic base oil provides excellent oxidation stability, antiwear performance and a “freezer-friendly” pour point (the temperature at which an oil will no longer flow freely) of -94°F (-70°C). The combination of the synthetic base oil and advanced thickener gives Formula 322 unsurpassed performance in the sub zero environments found with JBT FoodTech freezing units, and will still maintain excellent body during cleaning cycles.

Formula 322 is built with performance in mind. It has excellent Extreme Pressure (EP additives decrease wear of the parts of the gears or bearings exposed to very high pressures while operating) and Antiwear (AW additives prevent metal-to-metal contact between parts of gears or bearings) characteristics which are demonstrated by its very high Timken OK value of 60 pounds or greater and 4-Ball EP LWI results of over 60 kgf with a weld point of 500 kgf. These results come from ASTM D 2509 and ASTM D 2596, respectively. Formula 322 handles rust and corrosion by outperforming standard Corrosion Preventive Properties Test (ASTM D 1743) and a Severe Salt Fog Test (ASTM B 117) in excess of 300 hours. Water washout (ASTM D 1264) results of 4.5% weight loss give superior marks of quality for water resistance, a given in the food processing arena.

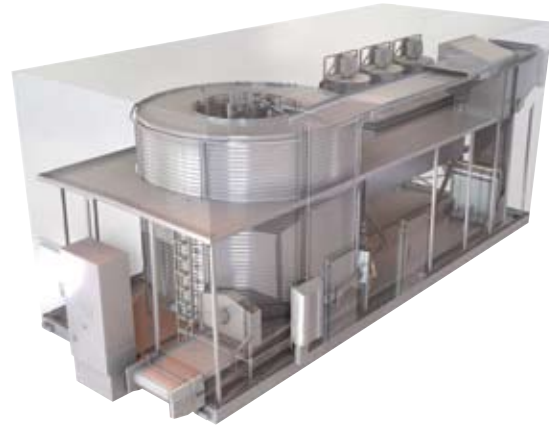
Formula 322

Features

- Unsurpassed Low-Temperature Performance
- Very Good Compatibility with Most Other Greases
- Outstanding Rust and Corrosion-Control
- Excellent Pumpability Character
- High Water Washout and Chemical Resistance
- Unsurpassed Extreme Pressure and Anti-wear properties

Benefits

- Protection for Freezing Equipment
- Extended Grease Intervals
- Suitable for Automated Greasing Systems
- Greatly Extended Life for Parts
- Rust Preventative Performance
- Protection from Effects of Water and Chemicals



Typical Properties	322	
Penetration, worked	320-340	ASTM D 217
Dropping point, minimum	525°F (274°C)	ASTM D 2265
Base oil type	PAO synthetic	
Base fluid		
Viscosity @ 40°C, cSt	16.8	ASTM D 445
Viscosity @ 100°F, SUS	156	
Viscosity @ 100°C, cSt	3.9	ASTM D 445
Viscosity @ 210°F, SUS	46	
Viscosity index	140	ASTM D 2270
Flash point	460°F (238°C)	ASTM D 92
Fire point	500°F (260°C)	ASTM D 92
Pour point	-94°F (-70°C)	ASTM D 97
Color	Off-white	
MICRONOX®	Yes	



Part Number:

356210A 10/14 Ounce Grease
Tubes Per Box or
master case of 5-10
pack boxes

Product meets all requirements for
H1 Food-Grade for incidental contact

**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