

TEMP-GUARD™

Synthetic High Temperature Grease



TECHNICAL DATA SHEET

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DESCRIPTION

TEMP-GUARD™ is a high quality synthetic grease for high temperature applications. It contains both graphite and molybdenum disulphide to give the product both low friction and extreme pressure capabilities. The synthetic fluid in this product provides exceptional low temperature flow characteristics as well as high temperature stability. Its inherent oxidation resistance is further enhanced with high temperature carbon controlling antioxidants. There are no polymers to build viscosity or viscosity index. This unique feature results in a reduced tendency to coke or form varnish deposits in high temperature applications.

TEMP-GUARD contains no organometallic additives that could decompose at elevated temperatures, thereby reducing the lubricative characteristics of the product. The excellent frictional and wear properties are a result of a carefully balanced package of the synthetic lubricant, molybdenum disulphide and graphite.

CHARACTERISTICS

- No petroleum based oils or additives
- High flash point
- Excellent low temperature properties
- Nonmelting
- High film strength with a low coefficient of friction
- Low volatility for less smoke and odour

APPLICATIONS

Plain and Anti-Friction Ball and Roller Bearings
Kiln Bearings
Crushers
Crane Ladles
Press and Hammer Guides
High Temperature Blowers, Fans and Oven Conveyors

OPERATING RANGE

-23°C to 315°C (-10°F to 600°F)

PRODUCT SPECIFICATIONS

Thickener	Non-Soap
Fluid Type	Synthetic Ester & PAO
Color/Appearance	Black Smooth Grease
Dropping Point (ASTM D-566)	Not Determined
Specific Gravity, Typical	0.97
Density (kg/liter), Typical	0.97
Additive Type	Graphite and MoS ₂
Flash Point (ASTM D-92)	>316°C (600°F)
Autoignition Point (Calculated)	>360°C (680°F)
NLGI Grade	1½
Penetration @ 25°C (77°F) (ASTM D-217)	285 - 315
Copper Strip Corrosion (ASTM D-4048)	1A
Shell 4 Ball (ASTM D-2596)	
Weld Point, kgf	400
Load Wear Index	50
Wear Scar Diameter (ASTM D-2266)	0.7
Oxidation Resistance (ASTM D-942)	
psi Drop, 100 hours	<10
Base Oil Viscosity (ASTM D-445), cSt @ 40°C	100 - 150

PACKAGING

Inventory Code	Container Size	Container
31850	14 oz.	Cartridge
31805	1 Lb.	Can
31806	5 Lb.	Can
31816	35 Lb.	Pail
31824	120 Lb.	Keg

LIMITED WARRANTY

Jet-Lube of Canada makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube of Canada Ltd. materials and workmanship.

This Limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of Jet-Lube of Canada Ltd.

The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube of Canada Ltd. shall not be liable for incidental or consequential damages.