

615

High Temperature Grease



TECHNICAL
CHESTERTON[®]
PRODUCTS

Description

Chesterton® 615 High Temperature Grease is the one grease to use for the most demanding of lubrication needs. It is a multi-purpose workhorse with outstanding extreme pressure capabilities. With a temperature limit of 204°C, it performs at temperatures well beyond that of most conventional petroleum greases.

The product is compatible with most other popular greases, has outstanding shear resistance and excellent corrosion resistance. Even when up to 30% water is incorporated into the product, the grease maintains its protective film and can withstand extremes of pressure.

Uses for Chesterton 615 High Temperature Grease can be found throughout any industrial plant. It is especially advantageous where there is a high water environment such as in a pulp and paper mill, extremes of pressure such as in mining operations, or extremes of temperature such as in steel mills. Applications range from the lubrication of conveyors, grinding mills, crushers, bearings, shears, blowers, rolling mills, traveling cranes, mechanical presses, cams, toggle joints, guides, ways, slides to any industrial and marine machines and equipment subject to extremes of temperature and pressure.

Composition

Chesterton 615 High Temperature Grease begins with a petroleum base oil hydrotreated to give maximum uniformity. The grease is thickened utilizing new polymer technology which creates a grease with unsurpassed shear stability and a very high dropping point. Costly leakage from bearings operating at high speed is virtually a problem of the past that can be eliminated with 615 High Temperature Grease.

The additive package utilized in 615 High Temperature Grease gives a remarkable combination of properties.

Typical Physical Properties

Appearance	Blue-Green
Consistency, NLGI	2
Texture	Buttery with slight tack
Specific Gravity	.9
Temperature Range	-40°C to 204°C
Dropping Point (ASTM D 2265)	300°C
Penetration (ASTM D 217)	220-230
Timken OK Load (ASTM D 2509)	29 kg
Four Ball Wear Test (ASTM D 2266) Scar Diameter	0,4 mm
Four Ball Weld Test (ASTM D 2596) Weld Load Wear Index	500 kg 72
Shear Stability (ASTM D 217) 10,000 strokes 100,000 strokes	+5% +8%
Oil Separation (ASTM D 1742)	.03%
Wheel Bearing Leakage (ASTM D 4290) 160°C 1000 RPM, 20 hrs. 40°C 600 RPM, 6 hrs.	6,2 grams 0,5 grams
Wheel Bearing Life (ASTM D 3527)	120 hrs
Water Washout (ASTM D 1264)	1.6%

The Timken OK Load of 29 kg is achieved without using any heavy metals such as antimony and lead. The excellent water washout and corrosion resistance is imparted to the product with inhibitors that allow 615 High Temperature Grease to remain in operation longer with fewer shutdowns necessary for relubrication. Anti-oxidants prevent the hardening and crystallization seen over time with many competitive products.

Users can be assured that in choosing Chesterton 615 High Temperature Grease, they have chosen a product that can be used virtually everywhere in the plant*, from the most basic of lubrication needs to the most extreme operating conditions.

Applications

Use in any industrial plant where operating conditions subject a lubricant to extremes of heat and pressure. Examples of industries using Chesterton 615 High Temperature Grease are the steel, pulp and paper, mining, transportation, coal and ore processing, construction, metal fabrication and marine industries.

Features

- Excellent for extremes of pressure and temperature.
- Superior resistance to water washout.
- Exceptional shear resistance.
- Oxidation inhibited.
- Contains no toxic heavy metals.
- Compatible with most popular greases.

* For applications involving incidental food contact or requiring nonstaining, use Chesterton® 622 White Grease or Chesterton® 629 High Temperature White Grease.

Directions

Apply with a grease gun or brush on for local applications. Wipe grease fittings to remove contamination before using pressure guns. Do not overload bearings, use only sufficient volume of grease to fill voids. Reapply at regular intervals.

Safety

Before using this product, please review the Material Safety Data Sheet (MSDS) or the appropriate safety sheet in your area.



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