

# 615



## HTG #2 460

### Description

Chesterton® 615 HTG #2 460 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 50% water is incorporated into the product, the grease maintains its protective film and can withstand extremes of pressure.

Uses for Chesterton 615 HTG #2 460 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 HTG #2 460 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 HTG #2 460.

The additive package utilized in 615 HTG #2 460 gives a remarkable combination of properties. The Timken OK Load of 29.5 kg is achieved without using any heavy metals such as antimony

### Typical Physical Properties

Appearance	Tan
Consistency, NLGI (DIN 51 818)	2
Texture	Buttery with slight tack
Specific Gravity	0.97
Temperature Range	-40°C (-40°F) to 204°C (400°F) above 170°C, increased re-lubrication frequency required.
Dropping Point (ASTM D 2265, DIN 51 801/1)	>300°C (572°F)
Penetration (ASTM D 217, DIN ISO 2137)	270
Timken OK Load (ASTM D 2509)	29.5 kg (65 lbs)
Four Ball Wear Test (ASTM D 2266, DIN 51 350/5) Scar Diameter, 40kg, 1200rpm, 75°C, 1 hr.	0.39 mm
Four Ball Weld Test (ASTM D 2596, DIN 51 350/4) Weld Load Wear Index	500 kg (1102 lbs) 65
Shear Stability (ASTM D 217), % Change 100,000 strokes	+2%
Oil Separation (ASTM D 1742), % loss	0.17%
Water Washout (ASTM D 1264)	2.75%
Corrosion Resistance (ASTM B 117), 5% NaCl	>1000 hrs @ 50 micron film thickness
Base Oil Viscosity @ 40°C @ 100°C	(ASTM 445, DIN 51 561) 500 cSt 32 cSt

and lead. The excellent water washout and corrosion resistance is imparted to the product with inhibitors that allow 615 HTG #2 460 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 HTG #2 460, 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 HTG #2 460 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.
- ISO L-XCDIB2
- DIN 51 502-KPF 2P-30

\* For applications involving incidental food contact or requiring nonstaining, use Chesterton® 622, 625, 629 or 630.

**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 Safety Data Sheet (SDS) or the appropriate safety sheet in your area.

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