Mobil Centaur™ XHP 460 Mine Series

Mobil Industrial , Canada

Premium Calcium Sulfonate Grease with Molybdenum Disulfide

Product Description

Mobil Centaur™ XHP 460 Mine Series greases are a premium family of greases formulated with advanced calcium sulfonate thickener technology and 5% molybdenum disulfide. The series is specifically designed for the lubrication of extra heavy-duty off-highway and mining equipment. The calcium sulfonate thickener carries both inherent rust protection and extreme pressure (EP) properties. Compared to conventional soap-base thickeners (i.e. lithium, aluminum, calcium soaps), the calcium sulfonate thickener used in Mobil Centaur XHP 460 Mine Series excels in water saturated environments, providing longer re-lubrication intervals. The inherent EP properties exhibit great stability in the presence of water, allowing a balance between wear protection and resistance to corrosion.

Features and Benefits

Mobil Centaur XHP 461 Mine and 462 Mine were specifically designed to meet the needs of off-highway and mining equipment that required exceptional EP performance and which would remain in place even in tough conditions of water spray, high sliding, and high temperatures.

These greases offer the following features, advantages, and potential benefits:

- Excellent extreme-pressure protection and load-carrying ability for equipment protection under heavy and shock loading
- Excellent high temperature oil bleed control
- An advanced polymer additive package which resists water washout
- Ability to absorb free water, without losing thickener consistency

Applications

Mobil Centaur XHP Mine Series greases are recommended for severe off-highway and mining applications in terms of operational severity and saturated water environments.

Specific applications include:

- Bucket pins, pivot pins, and heavily loaded chassis components
- Heavy equipment central lubrication systems (Centaur XHP 461 Mine)
- General purpose chassis lubrication

Properties and Specifications

Property	MOBIL CENTAUR XHP 461 MINE	MOBIL CENTAUR XHP 462 MINE
Grade	NLGI 1	NLGI 2
Color, Visual	Gray-Black	Gray-Black
Dropping Point, °C, ASTM D2265	>280	>280
Four-Ball Extreme Pressure Test, Weld Point, kgf, ASTM D2596	500	600
Four-Ball Wear Test, Scar Diameter, mm, ASTM D2266	0.6	0.6
Penetration, 60X, 0.1 mm, ASTM D217	325	280

Property	MOBIL CENTAUR XHP 461 MINE	MOBIL CENTAUR XHP 462 MINE
SKF Emcor Rust Test, Distilled Water, ASTM D6138	0,0	
Viscosity @ 100 C, Base Oil, mm2/s, ASTM D445	30.8	30.8
Viscosity @ 40 C, Base Oil, mm2/s, ASTM D445	460	460
Viscosity Index, ASTM D2270	96	96
Water Washout, Loss @ 79 C, wt%, ASTM D1264	2	1

Health and Safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.aspx

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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