Mobil

Mobil Centaur™ XHP 460 Mine Series

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

Typical Properties

	Mobil Centaur XHP 461 Mine	Mobil Centaur XHP 462 Mine
NLGI Grade	1	2
Thickener Type	Calcium Sulfonate	Calcium Sulfonate
Color, Visual	Gray-Black	Gray-Black
Molybdenum Disulfide, Wt. %	5	5
Penetration, Worked, 25º C, ASTM D 217, mm/10	325	280
Dropping Point, ºC, ASTM D 2265	>280	>280
Viscosity of Oil, ASTM D 445 cSt @ 40º C	460	460
4-Ball Weld Test, ASTM D 2596, Weld Point Kg	500	600

	Mobil Centaur XHP 461 Mine	Mobil Centaur XHP 462 Mine
EMCOR Rust Test, ASTM D 6138, Distilled Water	0/0	0/0
Water Washout, ASTM D 1264, 79 °C, % Loss	2	1

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended applications and the recommendations provided in the Material Safety Data Sheet. MSDS's are available upon request through your sales contact office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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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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