



Mobil Centaur™ XHP 150 Mine Series

Mobil Industrial , United States

Premium Calcium Sulfonate Grease with Molybdenum Disulfide

Product Description

Mobil Centaur™ XHP 150 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 150 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 150 Mine, 151 Mine and 152 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 (Mobil Centaur XHP 150 Mine and Mobil Centaur XHP 151 Mine)
- General purpose chassis lubrication

Properties and Specifications

Property	MOBIL CENTAUR XHP 150 MINE	MOBIL CENTAUR XHP 151 MINE	MOBIL CENTAUR XHP 152 MINE
Grade	NLGI 0	NLGI 1	NLGI 2
Thickener Type	Grease - Calcium Sulphonate	Calcium Sulfonate	Calcium Sulfonate
Color, Visual	Gray-Black	Gray-Black	Gray-Black
Copper Strip Corrosion, 24 h, 100 C, Rating, ASTM D4048	1A	1A	1A
Corrosion, Bearing, 48 h, 52 C, Rating, ASTM D1743	Pass	Pass	Pass

Property	MOBIL CENTAUR XHP 150 MINE	MOBIL CENTAUR XHP 151 MINE	MOBIL CENTAUR XHP 152 MINE
Dropping Point, °C, ASTM D2265	300	300	300
Four-Ball Extreme Pressure Test, Weld Point, kgf, ASTM D2596	620	800	800
Four-Ball Wear Test, Scar Diameter, 40 kg, 1200 rpm, 1 h, 75 C, mm, ASTM D2266	0.5	0.5	0.5
Oil Separation, 0.25 psi, 24 h @ 25 C, mass%, ASTM D1742	0	0	0
Penetration, 60X, 0.1 mm, ASTM D217	370	325	280
Viscosity @ 100 C, Base Oil, mm2/s, ASTM D445	14.6	14.6	14.6
Viscosity @ 40 C, Base Oil, mm2/s, ASTM D445	150	150	150
Water Washout, 1 h @ 79 C, wt%, ASTM D1264	2	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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