Mobil SHC Centaur Series

Mobil Grease , United States

Multipurpose Synthetic Calcium Sulfonate Complex Grease

Product Description

Our Mobil SHC Centaur Series multipurpose greases are designed to provide rust protection in water-saturated environments. With a balanced combination of water washout and water spray-off resistance, as well as excellent corrosion protection, these calcium sulfonate greases are particularly well-suited for the demanding requirements of steel mill, paper machine, and mining equipment.

Mobil SHC Centaur Series multipurpose greases provide:

• Extreme-pressure protection for equipment with high/shock loads

• Low temperature pumpability

• High water washout resistance and water absorption

• High temperature bleed control

Features and Benefits

Mobil SHC Centaur Series greases are members of the Mobil™ brand of lubricating products recognized for their high quality and reliability, as well as performance capabilities. This family of products is manufactured to the strictest quality standards. A key feature for this product family is its reputation for reliability and consistency, as well as its ability to handle tough applications. Mobil SHC Centaur Series greases are formulated with high-performance calcium sulfonate thickener technology combined with high-performance synthetic base oils. Mobil SHC Centaur Series greases offer the following benefits:

• Excellent extreme-pressure protection and load-carrying ability for equipment protection under heavy and shock loading

• Excellent low temperature pumpability as compared to conventional calcium sulfonate greases

• Ability to absorb free water without losing thickener consistency

• Extended re-greasing intervals, reducing grease consumption

• Outstanding corrosion protection even against aggressive solutions

Applications

Mobil SHC Centaur Series greases are recommended for heavily loaded and water saturated applications in heavy industries including steel, paper, and mining. Specific examples of such applications include:

• Ladle turret bearings

• Continuous casters

• Hot rolling work roll bearings

• Roll necks

• Couch, press and breast rolls

• Wood pellet mill roll bearings

Properties and Specifications

Property	MOBIL SHC CENTAUR 1500	MOBIL SHC CENTAUR 221	MOBIL SHC CENTAUR 222	MOBIL SHC CENTAUR 461
Grade	NLGI 1.5	NLGI 1	NLGI 2	NLGI 1.5

Property	MOBIL SHC CENTAUR 1500	MOBIL SHC CENTAUR 221	MOBIL SHC CENTAUR 222	MOBIL SHC CENTAUR 461
Thickener Type	Grease - Calcium Sulphonate	Grease - Calcium Sulphonate	Grease - Calcium Sulphonate	Grease - Calcium Sulphonate
Color, Visual	Tan	Tan	Tan	Tan
Copper Strip Corrosion, 24 h, 100 C, Rating, ASTM D4048	1B	1A		1A
Dropping Point, °C, ASTM D2265	>308	301		>308
Four-Ball Extreme Pressure Test, Weld Point, kgf, ASTM D2596	400	400		400
Four-Ball Wear Test, Scar Diameter, mm, ASTM D2266	0.5	0.5		0.5
Oil Separation, 30 h @ 100 C, mass%, ASTM D6184	5	3.7		2.6
Penetration, 60X, 0.1 mm, ASTM D217	305	325	260	305
SKF Emcor Rust Test, 10% Synthetic Sea Water, ASTM D6138	0.0	0.0		
SKF Emcor Rust Test, Acidic Water, ASTM D6138	0.0	0.0		
Timken OK Load, lb, ASTM D2509	70			
Viscosity @ 40 C, Base Oil, mm2/s, ASTM D445	1500	220	220	460
Water Washout, Loss @ 79 C, wt%, ASTM D1264	2	2		

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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