Mobil Centaur XHP™ 221

Mobil Grease , Japan

Multipurpose Calcium Sulphonate Complex Grease

Product Description

Mobil Centaur XHP 221 premium multipurpose grease has been formulated to lubricate rolling element bearings in industrial machinery operating at high temperatures under wet, heavily loaded conditions.

It is noted that calcium sulfonate technology sliding performance can, in some cases, increase tendency towards skid smear wear in rolling element bearings. This wear has been correlated with several conditions including light loading, grease overpack and frequent speed changes, where you may experience skid smear wear in rolling element bearings. Consideration should be given when using calcium sulfonate technology in applications with such risk factors or experience of this type of wear. Contact your Mobil representative for further evaluation.

Features and Benefits

Mobil Centaur XHP 221 offers the following features and benefits :

Features	Advantages and Potential Benefits
Excellent resistance to water and corrosion	The calcium sulphonate thickener system protects against water washout and bearing corrosion under challenging conditions
Exceptional mechanical stability	Resists softening under mechanical shear in the presence of process water contamination.
High load carrying properties	Excellent extreme pressure protection at low to moderate speeds is provided by the grease thickener system.
Excellent thermal stability	Resists oxidation and oil separation at high temperatures, and provides excellent life in accelerated bearing life tests.

Applications

Mobil Centaur XHP 221 is recommended for lubrication of rolling element bearings in machinery operating at high temperatures where resistance to water washing and corrosion are important. Specific examples of such applications include :

- Wet-end paper machine bearings
- Heavily loaded industrial ball and roller bearings
- Bearings in steel mill and mining operations

Specifications and Approvals

This product meets or exceeds the requirements of:
DIN 51825: 2004-06 KPF1-2G-20

Properties and Specifications

Property	

Property	
Grade	NLGI 1.5
Thickener Type	Calcium Sulfonate Greases
SKF Emcor Rust Test, Acidic Water, ASTM D6138	1 , 1
Water Washout, Loss @ 79 C, wt%, ASTM D1264	1
Color, Visual	Brown
Oil Separation, 30 h @ 100 C, mass%, ASTM D6184	0.5
Four-Ball Wear Test, Scar Diameter, mm, ASTM D2266	0.45
Oil Separation, 168 h @ 40 C, mass%, DIN 51817	0.3
Four-Ball Extreme Pressure Test, Weld Point, kgf, ASTM D2596	500
Viscosity Index, ASTM D2270	94
Viscosity @ 100 C, Base Oil, mm2/s, ASTM D445	18.7
Viscosity @ 40 C, Base Oil, mm2/s, ASTM D445	220
Dropping Point, °C, ASTM D2265	>308
Timken OK Load, kg, ASTM D2509	55
SKF Emcor Rust Test, Distilled Water, ASTM D6138	1 , 1
Copper Strip Corrosion, 24 h, 100 C, Rating, ASTM D4048	1A
Penetration, 60X, 0.1 mm, ASTM D217	305
Corrosion Preventive Properties, Rating, ASTM D1743	Pass

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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