

Mobil Centaur XHP 221

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.

Features & 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 even in conditions of process water contamination
High load carrying properties	Extreme pressure protection is provided by grease thickener system without the need for conventional chemical additives.
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 such as those in steel mills and mining operations
- Marine applications where harsh conditions require a premium performing grease.

Due to continual product research and development, the information contained herein is subject to changes without notification. Additional important health and safety information on this product can be found in the Material Safety Data Sheet, which is available online at www.imperialoil.ca/mobil or by contacting Lubricants and Petroleum Specialties, Technical Services, Technical Help Desk: 1-800-268-3183



Typical Properties

Mobil Centaur XHP 221	
NLGI Grade	1.5
Thickener Type	Calcium Sulphonate Complex
Colour	Brown
Base Oil Viscosity, ASTM D 445 cSt @ 40°C	220
Dropping Point, ASTM D 2265, °C	318
Penetration, ASTM D217 worked, 60x, mm/10 @25°C	300
Worked Penetration Change after 100k Strokes, ASTM D217, mm/10	10
Water Washout, @ 79°C ASTM D 1264, wt%	1
EMCOR Bearing Corrosion in Distilled Water ASTM D 6138, Rating	0,1
Copper Corrosion Resistance, ASTM D 4048	1b
Four Ball Weld, ASTM D 2596, kgf	500
Timken OK Load, ASTM D 2509, kg	27
Oil Separation @ 100°C after 30 hours, ASTM D 6184, wt%	2
Wheel Bearing Life @ 160°C, ASTM D 3527, hours	120

Health & Safety

Mobil Centaur XHP 221 is manufactured from high quality petroleum base stocks, carefully blended with selected thickeners and additives. As with all petroleum products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact to skin, splashing into the eyes, ingestion or vapour inhalation. High-pressure injection of any grease under the skin can cause serious delayed soft tissue damage and should be treated immediately by a physician. To avoid injection injuries, inspect greasing equipment regularly for worn hoses and fittings. Keep finger away from the nozzle and ensure the nozzle is firmly in place before discharging the grease. Please refer to our Imperial Oil Material Safety Data Sheet for further information.

Note: This product is not controlled under Canadian WHMIS legislation.

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