

Mobil Centaur Moly 1

Grease

Product Description

Mobil Centaur Moly 1, a premium quality grease formulated with advanced calcium sulphonate complex thickener technology. The calcium sulphonate thickener in the Mobil Centaur Moly 1 represents a significant advance in grease formulation technology. Unlike conventional soap-base thickeners (i.e. lithium, aluminium, and calcium soaps), the calcium sulphonate thickener does much more than simply impart consistency. It imparts excellent corrosion and water-resistance properties to the grease and has inherent extreme-pressure protection properties that enhance load-carrying ability. Further, the EP properties derived from the calcium thickener also have inherently better thermal stability than those from conventional Sulphur/Phosphorus EP additives.

Fortified with molybdenum disulphide to complement its robust extreme-pressure additive system, Mobil Centaur Moly 1 is particularly well suited to meet the demanding lubrication requirements of heavy-duty truck chassis, construction and mining equipment, and heavily load industrial bearings. Mobil Centaur Moly 1 also provides outstanding resistance against the effects of water washout, water spray-off and corrosion.

Features and Benefits

Mobil Centaur Moly 1 is a member 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, and its ability to handle tough applications. Mobil Centaur Moly 1 is formulated with state-of-the-art high-performance calcium sulphonate complex thickener technology and is formulated for heavy-duty trucks, mining and construction applications as well as heavily loaded industrial bearings. Mobil Centaur Moly 1 grease offers the following benefits:

- Excellent extreme-pressure protection and load-carrying ability for equipment protection under heavy and shock loading
- Fortified with molybdenum disulphide for retention of EP performance and equipment protection in severe sliding situations
- Outstanding corrosion and water resistance for highly reliable lubrication in hostile environments
- Manufactured under stringent ExxonMobil Product Quality Management System (PQMS)TM quality control standards

Applications

Mobil Centaur Moly 1 is highly recommended for heavily loaded applications or environments highly contaminated with water. Specific examples of such applications include:

- Heavy-duty trucks, including chassis, spring shackles, king pins, tie rods, u-joints, hinge and bucket pins and fifth wheels
- Mining and construction equipment
- Marine equipment
- Highly loaded industrial bearings

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 Specialities, Technical Services, Technical Help Desk: 1-800-268-3183

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Typical Properties

Mobil Centaur Moly 1	
NLGI Grade	1
Thickener Type	Calcium Sulphonate Complex
Colour, Visual	Grey
Penetration, Worked, 25 °C, ASTM D 217	325
Dropping Point, °C, ASTM D 2265	288
Viscosity of Oil, ASTM D 445	
cSt @ 40° C	320
Timken OK Load, ASTM D 2509, kg/lb	27/60
4-Ball Weld Test, ASTM D 2596, Weld Point, kg	500
4-Ball Wear, ASTM D 2266, 40 kg, 1200 rpm, mm	0.50
Water Washout, ASTM D 1264 1 hr. @ 79° C, %	1.0
Water Spray resistance, ASTM D 4049, mass %	25

Typical Properties may vary slightly. This product data sheet is based on global product data sheets for use with products purchased in Canada.

Precautions

Always protect Mobil Centaur Moly 1 grease from contamination by dust or water. Mobil Centaur Moly grease is manufactured from high quality petroleum base stocks carefully blended with Calcium Sulphonate Complex thickener and additives.

As with all of our 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 fingers away from the nozzle and ensure the nozzle is firmly in place before discharging the grease.

Please refer to the Material Safety Data Sheet for further information.

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

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