



Mobil Centaur™ Moly Series

Mobil Grease , United States

Calcium Sulfonate Grease

Product Description

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

Fortified with 3% molybdenum disulphide to complement a robust extreme-pressure additive system, the Mobil Centaur Moly Series of greases are particular suited to meet the demanding lubrication requirements of heavy-duty truck chassis, construction and mining equipment, and heavily load industrial bearings. The Centaur Moly Series also provides outstanding resistance against the effects of water washout, water spray-off and corrosion, and are available in NLGI 1 and 2 , offering a range of pumpability and dispensing options.

Features and Benefits

The Mobil Centaur Moly greases are members of the Mobil™ brand of lubricating products recognized for their high quality and reliability, as well as perfor 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 consi and its ability to handle tough applications. The Mobil Centaur Moly Series are formulated with state-of-the-art high-performance calcium sulfonate thi technology and is formulated for heavy-duty truck, mining and construction applications as well as heavily loaded industrial bearings. The Mobil Centaur Moly g offer the following potential benefits:

- Excellent extreme-pressure protection and load-carrying ability for equipment protection under heavy and shock loading
- Fortified with 3% 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

Applications

The Mobil Centaur Moly Series of greases are highly recommended for heavily loaded applications or environments highly contaminated with water. Specific exam 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

Properties and Specifications

Property	1	2
Grade	NLGI 1	NLGI 2
Thickener Type	Calcium Sulfonate	Calcium Sulfonate
Color, Visual	Grey	Grey
Dropping Point, °C, ASTM D2265	295	308
Four-Ball Extreme Pressure Test, Weld Load, kgf, ASTM D2596	500	500
Four-Ball Wear Test, Scar Diameter, mm, ASTM D2266	0.5	0.5

Property	1	2
Molybdenum Disulfide Content, wt %, CALCULATED	3	3
Penetration, 60X, 0.1 mm, ASTM D217	325	280
Timken OK Load, lb, ASTM D2509	60	60
Viscosity @ 100 C, Base Oil, mm2/s, ASTM D445	24.0	24.0
Viscosity @ 40 C, Base Oil, mm2/s, ASTM D445	320	320
Viscosity Index, ASTM D2270	95	95
Water Sprayoff, Loss, %, ASTM D4049	25	20
Water Washout, Loss @ 79 C, wt%, ASTM D1264	1	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.as>

All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its subsidiaries unless indicated otherwise

09-2021

Exxon Mobil Corporation
22777 Springwoods Village Parkway
Spring TX 77389
1-800-ASK MOBIL (275-6624)

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

ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entity.

ExxonMobil

Exxon

Mobil

Esso

XTO

© Copyright 2003-2024 Exxon Mobil Corporation. All Rights Reserved