

# Mobil Centaur Moly

## Grease

### Product Description

Mobil Centaur Moly is a premium quality grease formulated with advanced calcium sulfonate thickener technology. The calcium sulfonate thickener in the Mobil Centaur Moly products represents a significant advance in grease formulation technology. Unlike conventional soap-base thickeners (i.e. lithium, aluminium, and calcium soaps), the calcium sulfonate 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 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 also provides outstanding resistance against the effects of water washout, water spray-off and corrosion.

### Features and Benefits

Mobil Centaur Moly 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, and its ability to handle tough applications. Mobil Centaur Moly is formulated with state-of-the-art high-performance calcium sulfonate thickener technology and is formulated for heavy-duty truck, mining and construction applications as well as heavily loaded industrial bearings. Mobil Centaur Moly greases offer 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 ExxonMobils stringent Product Quality Management System (PQMS)<sup>TM</sup> quality control standards

### Applications

Mobil Centaur Moly products are 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



## Typical Properties

<b>Mobil Centaur Moly</b>	<b>1</b>	<b>2</b>
NLGI Grade	1	2
Thickener Type	Calcium Sulfonate	Calcium Sulfonate
Color, Visual	Grey	Grey
Penetration, Worked, 25° C, ASTM D 217	325	265(min)
Dropping Point, °C, ASTM D 2265	288	280
Viscosity of Oil, ASTM D 445		
cSt @ 40° C	320	320
Timken OK Load, ASTM D 2509, lb	60	60
4-Ball Weld Test, ASTM D 2596, Weld Point, Kg	500	500
4-Ball Wear, ASTM D 2266, 40 kg, 1200 rpm, mm	0.50	0.38
Water Washout, ASTM D 1264 1 hr. @ 79° C, %	1.0	1.0
Water Spray resistance, ASTM D 4049, mass %	25	20

## Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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