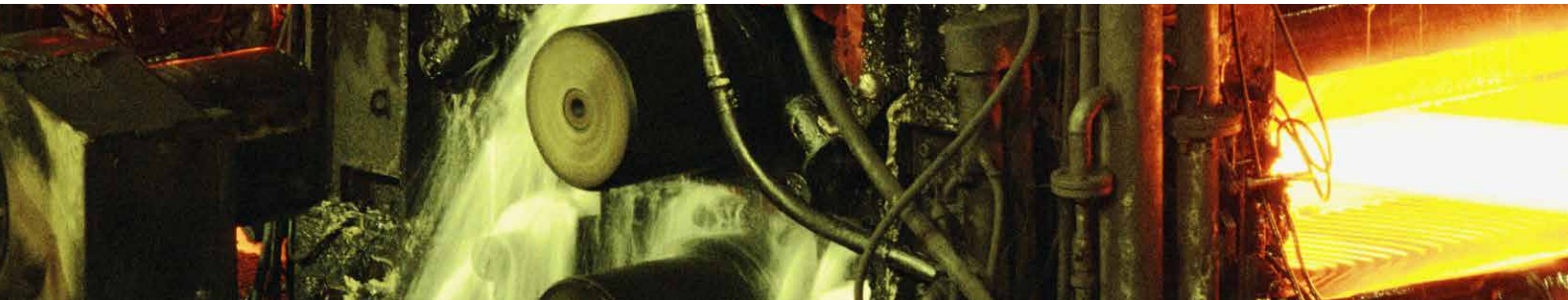


Mobil Centaur XHP™ 460 Series

Premium protection greases



Energy lives here™

Key benefits



Advanced rust and wear protection between long regreasing intervals



Excellent structural stability in water-saturated environments



Formulated with calcium sulfonate thickener that helps protect equipment

Engineered to meet the demands of steel mill equipment, Mobil Centaur XHP 460™ Series greases are designed to provide:

- Excellent extreme-pressure protection and load-carrying ability for equipment protection under heavy and shock loading
- Superb high temperature oil bleed control
- An advanced polymer additive package which resists water washout
- Ability to absorb free water, without losing thickener consistency

Water spray resistance leads to only

20%
to 25%
grease loss**

Typical properties*

Mobil Centaur XHP 460 Series	461	462
NLGI Grade	1	2
Thickener Type	Calcium Sulfonate	Calcium Sulfonate
Colour, Visual	Amber	Amber
Penetration, Worked, ASTM D 217, 25°C	315	280
Dropping Point, ASTM D 2265, °C	275	275
Viscosity of Oil, ASTM D 445, cSt @ 40°C	460	460
4-Ball Weld Test, ASTM D 2596, Weld Point kg	400	400
4-Ball Wear, ASTM D 2266, 40kg, 1200 rpm, mm	0.60	0.60
Water Washout, ASTM D 1264 1 h. @ 79°C, %	1.0	0.5
Water Spray resistance, ASTM D 4049, mass % sprayed-off	25	20

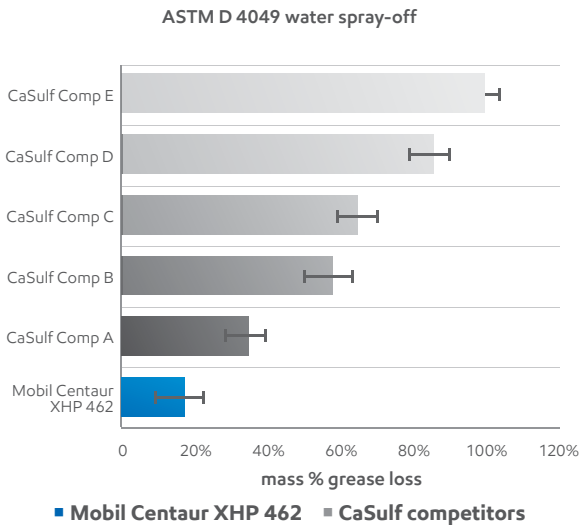
* Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to 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 entities.

** as per ASTM D4049

Mobil Centaur XHP™ 460 Series

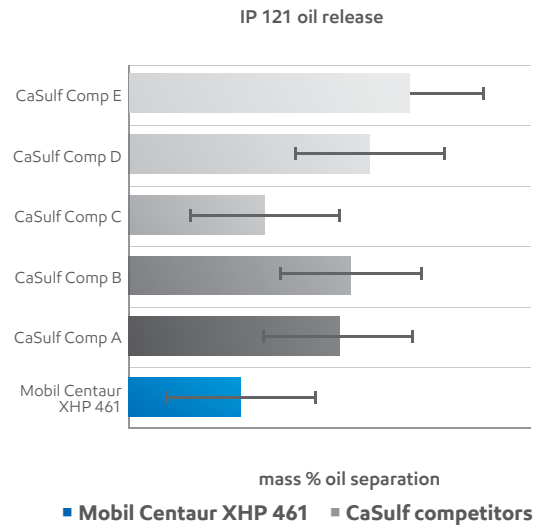
Adhesiveness and Water Resistance

The ability to resist the washing effect of water is critical for many steel mill operations. In ASTM D 4049 water spray-off testing, Mobil Centaur XHP™ 461 greases outperform other calcium sulfonate greases, allowing maximum protection in environments where washdowns are common.



Oil release

Controlling the amount of oil supplied to the lubrication zone is critical to equipment reliability. Too much oil release could negatively impact equipment reliability with grease having to be reapplied more often. The chart below illustrates the superior oil release properties of Mobil Centaur XHP 461 greases relative to competitors in the IP 121 Oil Release Test.



Rust and corrosion protection

Figure 1 shows a “no rust” rating result for the EMCOR Bearing Corrosion Test used to test the ability of a grease to provide protection in water-saturated environments. Mobil Centaur XHP Series greases offer a high degree of rust protection even under some of the most severe conditions, delivering this level of EMCOR performance.



Figure 1

Industrial Lubricants



Advancing Productivity™

Safety

Consistent lubrication under a range of operating conditions can help extend regreasing intervals, which help limit potentially hazardous interaction between employees and equipment.

Environmental Care*

The excellent structural stability helps reduce grease consumption by maintaining consistency and EP protection characteristics even in severely water-saturated environments.

Productivity

The greases' ability to resist water washout and maintain standout lubrication performance in wet environments can help lead to reduced maintenance expenses, disposal costs, and less downtime – all contributing to increased productivity.

*Visit mobilindustrial.com to learn how certain Mobil-branded lubricants may provide benefits to help reduce environmental impact. Actual benefits will depend upon product selected, operating conditions and applications.

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Health and Safety

Based on available information, these products are not expected to produce adverse effects on health when used for the applications referred to above and the recommendations provided in the Material Safety Data Sheets (MSDSs) are followed. MSDSs are available upon request through your sales contact office or via the Internet. These products should not be used for purposes other than the applications referred to above. If disposing of used product, take care to protect the environment.