# Mobilgrease™ XTC

Mobil Grease , Germany

Grease

## Product Description

Mobilgrease XTC is a high performance premium product designed for use in high-speed coupling applications. Mobilgrease XTC is formulated to provide low-bleed as well as high-temperature stability, properties critical to modern coupling lubrication and protection. The base oil and heavy duty additive package work to reduce friction wear from sliding tooth contact, providing rust and corrosion protection, as well as high temperature stability for this leading edge product.

ExxonMobil research scientists formulated Mobilgrease XTC to meet or exceed the requirements of modern high-speed gear and grid design couplings including the AGMA CG-3, CG-2, and CG-1specifications. This grease has shown excellent performance and protection in a wide variety of coupling applications covering a broad range of industries.

Based on its outstanding performance, this grease has become the product of choice for many coupling users. Mobilgrease XTC fully meets the performance requirements of major coupling manufacturers.

## Features and Benefits

The Mobilgrease brand of products is well known and highly regarded world-wide based on their outstanding performance in addition to global technical support that stands behind Mobil Industrial Lubricants. The outstanding qualities of Mobilgrease XTC have made it the choice of many users, especially when performance is a key concern.

Mobilgrease XTC enjoys an excellent reputation in the lubrication of high speed and high temperature gear and grid coupling applications. Close contacts with original equipment manufacturers (OEMs) and end-users ensure that products such as Mobilgrease XTC will be available to meet critical application needs, both now and in the future.

Mobilgrease XTC was specifically designed for high-speed and high-temperature coupling applications, and offers the following advantages and potential benefits.

| Features | Advantages and Potential Benefits |
|---|---|
| Excellent resistance to oil separation | Helps reduce leakage, helping improve reliability and coupling protection |
| Excellent EP / Antiwear protection | Helps reduce coupling wear, even when misaligned helping to lower maintenance costs |
| Excellent high temperature stability | Long grease life and helping to extend intervals between relubrication |
| Good resistance to rust and corrosion | Maintains excellent grease performance even in tough aqueous environments |

## Applications

Application Considerations: Because Mobilgrease XTC is highly viscous and has adhesive agents to address coupling demands, use of hand- operated grease guns at low ambient temperatures without auxiliary heat is discouraged.

Mobilgrease XTC fully meets  AGMA Type CG-3 requirements for high-torque, high-misalignment spindle couplings and AGMA Type CG-2 requirements for high-speed flexible gear and grid couplings. Mobilgrease XTC also meets less demanding AGMA Type CG-1 requirements. Mobilgrease XTC maintains its excellent performance characteristics in ambient temperatures up to 120° C. It is not recommended for temperatures below -30° C. Mobilgrease XTC is

used widely in industrial applications requiring the use of:

- Grid-type flexible couplings
- Gear-type flexible couplings

## Specifications and Approvals

| This product meets or exceeds the requirements of: |
|---|
| AGMA CG-1 |
| AGMA CG-2 |
| AGMA CG-3 |

## Properties and Specifications

| Property | |
|---|---|
| Grade | NLGI 1 |
| Thickener Type | Grease - Lithium complex |
| Copper Strip Corrosion, 24 h, 100 C, Rating, ASTM D4048 | 1A |
| Timken OK Load, lb, ASTM D2509 | 50 |
| Corrosion Preventive Properties, Rating, ASTM D1743 | Pass |
| Centrifugal Oil Separation, High G Force, 24 h, 50 C, vol%, ASTM D4425 | 1 |
| Four-Ball Wear Test, Scar Diameter, mm, ASTM D2266 | 0.43 |
| Color, Visual | Dark Brown |
| Penetration, Change from 60X to 10,000X, %, ASTM D217 | 20 |
| Oxidation Stability, Pressure Drop, 100 h, kPa, ASTM D942 | 41 |
| Four-Ball Extreme Pressure Test, Weld Point, kgf, ASTM D2596 | 400 |
| Dropping Point, °C, ASTM D2265 | 279 |
| Penetration, 60X, 0.1 mm, ASTM D217 | 325 |
| Viscosity @ 40 C, Base Oil, mm2/s, ASTM D445 | 680 |

## 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.aspx

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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

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