



Mobilgrease™ XTC

Mobil Grease, Switzerland

Grease

Product Description

Mobilgrease XTC is an extra high performance product designed for use in high speed coupling applications. It is manufactured with a select high viscosity mineral base oil and an extremely effective, heavy-duty additive package. 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 extreme pressure (EP) / anti-wear (AW) additive package work to reduce friction wear from sliding tooth contact, providing rust and corrosion protection, and 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-2 and CG-1 specifications. 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 existing 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

Properties and Specifications

Property	
Grade	NLGI 1
Thickener Type	Lithium
Base Oil Viscosity of Greases @ 40 C, mm ² /s, AMS 1697	680
Bomb Oxidation, Pressure Drop, 500 h, kPa, ASTM D942	35
Centrifugal Bleed, K36, 36,000 G, 24 h, 38 C, vol%, ASTM D4425(mod)	0
Color, Visual	Dark Brown
Copper Strip Corrosion, 24 h, 100 C, Rating, ASTM D4048	1A
Corrosion, Bearing, Rating, ASTM D1743	PASS
Dropping Point, °C, ASTM D2265	215
Four-Ball Extreme Pressure Test, Weld Point, kgf, ASTM D2596	315
Four-Ball Wear Test, Scar Diameter, mm, ASTM D2266	0.35
Penetration, 60X, 0.1 mm, ASTM D217	325
Penetration, Change from 60X to 10,000X, %, ASTM D217	25
Timken OK Load, lb, ASTM D2509	60

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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