



Primetals Mill Duty Grease

Mobil Industrial , India

Premium steel mill grease



Product Description

Primetals Mill Duty Grease is an extended service lithium complex grease specifically designed for use in long rolling equipment manufactured by Primetals Technologies. It is designed to outperform conventional steel mill greases by a combination of high performance additives, robust ISO VG 220 base oil and proprietary manufacturing technology. In service it provides strong adhesion, structural stability and resistance to water contamination for excellent protection against rust and corrosion. In addition, Primetals Mill Duty Grease offers excellent high temperature wear protection, with its high technology performance additives allowing for operating temperatures of 140° C (284°F).

Primetals Mill Duty Grease is designed to perform in challenging steel mill operating conditions that include high temperature, water contamination, shock loading and extended re-lubrication intervals.

Features and Benefits

Primetals Mill Duty Grease utilizes the same technology found in Mobilgrease XHP 221, a product whose demonstrated performance has made it a popular choice of Primetals Technologies equipment owners worldwide. It is formulated to provide excellent oxidation stability as well as anti-wear and EP protection.

Features	Advantages and potential benefits
Strong resistance to water washout and spray-off	Lubrication and protection in the most severe water exposure conditions
Highly adhesive and cohesive thickener structure	Helps reduce leakage and extend re-lubrication intervals for reduced maintenance
Excellent rust and corrosion resistance	Prevents damage to metal surfaces in hot, humid and wet environments
Resists thermal, oxidative and structural degradation at high temperatures	Enhances grease life and bearing protection in hot applications to reduce maintenance and repair costs
Excellent anti-wear and EP performance	Protects equipment exposed to sliding wear to extend operating life and help reduce unscheduled downtime
Broad multi-purpose application	Provides potential for inventory rationalization and reduced inventory costs

Applications

Primetals Mill Duty Grease can be used in a wide variety of long rolling mill applications. Its NLGI Grade 1 penetration makes it ideal for use in automatic grease systems where it can reduce grease line plugging and related maintenance. Primetals Mill Duty Grease is supported with the joint expertise and field technical services offered by Mobil and Primetal Technologies.

Typical Properties

Primetals Mill Duty Grease	
NLGI Grade	1
Thickener Type	Lithium complex
Color, Visual	Dark blue
Penetration, Worked, 25° C, ASTM D 217	325
Dropping Point, °C, ASTM D 2265	280
Viscosity of Oil, ASTM D 445, cSt @ 40° C	220
4-Ball Wear Test, ASTM D 2266, scar, mm	0.5
4-Ball Weld Load, ASTM D 2596, kg	315
Timken OK Load, ASTM D 2509, lb.	40
Bomb Oxidation, ASTM D 942, Pressure drop at 100 hrs, kPa (psig)	35 (5)
Corrosion Prevention, ASTM D 1743	Pass
Rust Protection, IP 220-modified, Distilled Water Washout	0, 0
Copper Strip Corrosion, ASTM D 4048	1B
Penetration Consistency Change, Roll Stability, ASTM D 1831, mm/10	-15

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 Safety Data Sheet (SDS) are followed. SDS's are available upon request through your sales contract office, or via the Internet on www.mobil.com/industrial. 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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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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