Mobil

Primetals Mill Duty Grease

Mobil Industrial , United States

Premium steel mill grease

PRIMETALS TECHNOLOGIES

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 applicatio	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.

Properties and Specifications

Property	
Grade	NLGI 1
Color, Visual	Dark blue
Penetration, 60X, 0.1 mm, ASTM D217	325
Dropping Point, °C, ASTM D2265	280
Base Oil Viscosity of Greases @ 40 C, mm2/s, AMS 1697	220
Four-Ball Wear Test, Scar Diameter, mm, ASTM D2266	0.5
Corrosion Preventive Properties, Rating, ASTM D1743	PASS
SKF Emcor Rust Test, Distilled Water, ASTM D6138	0,0
Roll Stability, Penetration Consistency Change, 0.1 mm, ASTM D1831	-15
Four-Ball Extreme Pressure Test, Weld Point, kgf, ASTM D2596	315
Oxidation Stability, Pressure Drop, 100 h, kPa, ASTM D942	35
Copper Strip Corrosion, 24 h, 100 C, Rating, ASTM D4048	1B
Timken OK Load, lb, ASTM D2509	40

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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