

ExxonMobil Mobilgrease HTS

Category : Fluid , Lubricant , Lithium Gellant

Material Notes:

Mobilgrease HTR, HTM, HTS and HTF are high performance Extreme Pressure greases with exceptional resistance to the water contamination conditions typical of steel mill, surface mining, and off-highway conditions. Additionally, Mobilgrease HTR, HTM, HTS, and HTF are formulated with superior corrosion resistance. Mobilgrease HTM and HTR provide good water and corrosion resistance along with formulations more capable of providing good dispensing characteristics in central systems. The combination of the lithium complex soap with an advanced additive system provide high temperature performance properties. Mobilgrease HTF provides fire retardancy for castor and hot strip mill operations. Mobilgrease HTR, HTM, HTS and HTF greases are primarily recommended for the lubrication of bearings, gears, and cams where the elastohydrodynamic lubrication (EHL) requirements dictate significant viscometric contribution. The greases shed mill water, continue to lubricate and aid in forming a strong seal to resist water intrusion. When free water enters a bearing, the greases maintain consistency. Their EP properties and high oil viscosity help reduce wear, making them especially applicable for heavy shock loads. With less wear, maintenance costs for replacing failed bearings will be lower. They can also be used in central grease dispensing systems consistent with apparent viscosity calculations. Mobilgrease HTR is primarily intended to address low temperature pumpability challenges. Mobilgrease HTM provides good pumpability with additional protection against water intrusion. Where an NLGI Grade 2 grease can be used, Mobilgrease HTS provides maximum bearing lubrication performance. Mobilgrease HTF provides fire retardancy for castor and hot strip mill operations. Mobilgrease HTR, HTM, HTS and HTF greases are designed primarily for the lubrication of bearings, gears, and cams, which require high viscosity base oil. Such heavy-duty applications include: Steel mill bearings; Off-highway rolling stock; Surface mining drag lines, excavators, drills and haul trucks

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Mobilgrease-HTS.php

Physical Properties	Metric	English	Comments
Kinematic Viscosity at 40°C (104°F)	680 cSt	680 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	33.7 cSt	33.7 cSt	ASTM D445

Mechanical Properties	Metric	English	Comments
Four Ball Wear	0.500 mm	0.0197 in	ASTM D2266
Penetration	-1.00	-1.00	Penetration Consistency Change, Roll Stability, mm/10; ASTM D1831
	280	280	Worked, 25°C, mm/10; ASTM D217

Thermal Properties	Metric	English	Comments
Dropping Point	295 °C	563 °F	ASTM D2265

Descriptive Properties	Value	Comments
Color	black	

Descriptive Properties	Value	Comments
Water Spray Resistance, ASTM D4049, % Spray-off	8	
Water Washout, ASTM D1264, wt%	5.5	@ 79°C

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