

Puma Minegrease Moly EP2

Extreme Pressure Moly Grease

Puma Minegrease Moly EP2 is a premium high performance multi-purpose grease intended for a large variety of applications. It is based on a blend of high viscosity, mineral oils, a lithium complex soap thickener, specially selected lead free extreme pressure additives, rust and oxidation inhibitors plus a tackiness agent. Molybdenum Disulphide is also added to the formulation to enhance its shock loading properties.

Puma Minegrease Moly EP2 was developed for use in a wide range of industrial and mining applications. It meets the requirements of mining and off-road equipment manufactured by Caterpillar, Terex, Komatsu, Liebherr, P&H etc.

- ✓ Extreme Pressure
- ✓ Oxidation Resistance
- ✓ High Temperature
- ✓ Molybdenum Disulphide

Designed to Perform

Anti-Wear and EP Performance Plus Moly

Important for reducing wear rates and achieving a high load-carrying capability even under conditions of high sliding and moderate shock loading, thus extending the equipment life. Under conditions of severe shock loads the grease can be forced out of a bush. The Molybdenum Disulphide coats the metallic surfaces and prevents welding and surface damage under these conditions.

Superior Resistance to Water Wash-out

Assures correct lubrication, even under the most severe water exposure conditions.

Chemical Stability

It has great physical and chemical stability which ensures that these greases remain unaltered even after long exposure to high mechanical loads and thermal stresses, while its outstanding oxidation resistance inhibits deterioration both during storage and use.

Rust Protection

It ensures effective rust-protection even where the most delicate metals are concerned, and it adheres extremely well to metal surfaces resisting displacement by vibrations.

Water Resistance

Puma Minegrease Moly EP2 is water-resistant and can be used in moist conditions and in contact with water, while good pump-ability facilitates dispensing even at low temperatures.

Anti-corrosion & Anti-rust Properties

Corrosion inhibitors reduce the oxidation of internal and external surfaces therefore preventing the breakdown of the grease.

Lubricating Properties

It provides extremely good lubrication and wear protection for heavily loaded pins and bushes. Its high oxidation resistance inhibits any tendency for the grease to alter during storage and while in use.

Highly Adhesive

Being highly adhesive and cohesive Puma Minegrease Moly EP2 resists displacement from lubricated parts by dripping or run-out due to gravity action, centrifugal force and vibration. The adhesive properties of this product guarantee proper lubrication under difficult conditions.

Operating Temperature Range

The recommended temperature range is from -25°C to 175°C however, it may be used intermittently up to 200°C with the lubrication frequency to be increased accordingly.

Performance Characteristics

Puma Minegrease Moly EP 2 is designed for highly loaded slow moving bearings and bushes, and especially where severe shock loading may occur. It is also suitable for use at high temperatures and in wet conditions.

Applications

- Mining and earthmoving equipment
- Agricultural equipment
- Marine applications
- Pins and bushes
- Commercial vehicles

Typical Physical Characteristics

Test	Temp	Units	ATSM Method	Typical Result
NLGI	-	-	-	2
Soap Type	-	-	-	Lithium Complex
Colour/Appearance	-	-	-	Grey/Black/Tacky
Dropping Point	-	°C	D.2265	250
Roll Stability, Penetration Change	-	%	D.1831	10
Water Washout, Loss	80°C	%	D.1264	3.5
Oxidation Stability: Pressure Drop at 100hr	-	kPa	D.942	15
Oxidation Stability: Pressure Drop at 500hr	-	kPa	D.942	70
Molybdenum Disulphide (1.5 micron average)	-	%	-	3
Rust Prevention Rating	-	-	D.1743	Pass
Timken, OK Load	-	kg	D.2509	26
4-ball Weld Point	-	kg/f	D.2596	450
4-ball Wear Scar	-	mm	D.2266	0.48
Mineral Oil Viscosity	40°C	cSt	D.445	320

These characteristics are typical of current product methods whilst future production will conform to Puma Lubricants specifications, variations in these physical characteristics may occur.

Health & Safety Environment

- This product is unlikely to present any significant health and safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.
- Avoid contact with eyes and skin, use proper impervious gloves with used oil. After skin contact, wash immediately with soap and water. Guidance on health and safety is available on the appropriate Safety Data Sheet (SDS) which can be obtained from sds.pumaenergy.com.au

Protect the Environment

- Take used oil to an authorised collection point.
Do not discharge used or new oil into drains, soil or water.

Additional Information

- Technical advice may be obtained from your Puma Energy Representative.