Molygrease EP2

Extreme Pressure Grease

Molygrease EP2 is a multipurpose, extreme pressure, lithium soap based grease containing molybdenum disulphide, rust and oxidation inhibitors, and sulfur phosphorus EP additives.

It possesses good mechanical stability, water resistance and low temperature properties. It is a black grease and is available in an NLGI grade 2 consistency.

APPLICATIONS

A wide range of industrial and automotive applications where components are subject to heavy loading. It is particularly suitable for lubricating mining and construction vehicles such as scrapers, loaders, shovels, and off-highway trucks. It provides excellent service under dusty or wet conditions.

It can be used for all grease lubricated chassis points on passenger cars, trucks, buses, trailers, and farm equipment, including king pins, shackle pins, steering joints, universal joints and fifth wheels (semi-trailer support turntables) on trucks. It is particularly applicable for ball joint suspensions on passenger cars where the presence of molybdenum disulphide may reduce noise and steering effort. It can also be used in wheel bearings of passenger cars, light trucks and farm equipment.

It may be used in a variety of industrial applications such as low to medium load bearings, steam turbine pedestal slides, screw threads, screw railway couplings, adjustable tension rods and steam valves. It is particularly recommended for applications where movement is slow, restricted or intermittent and where movement is small but of high frequency. In these applications the solid film of molybdenum disulphide will provide protection against wear, fretting corrosion and stick-slip effects. It is also recommended for high temperature conditions, such as conveyor belts in ovens, because even though the grease chars or evaporates, the molybdenum disulphide is left behind to provide lubrication.

Useable temperature range in continuous service is -30 to 130°C.

Maximum temperature for short-term exposure is 175°C.

BENEFITS

- Effective solid film lubrication is provided by the molybdenum disulphide component which plates out and resists wiping from lubricated surfaces, providing a solid lubricating film that reduces wear and friction.

- Multipurpose capability enables reduction of inventory and simplified lubrication.

- Resists water washing and continues to provide effective lubrication even in the presence of water.

- Contains tackiness additive to improve adhesion and sealing.

PERFORMANCE STANDARDS

GMH	HN 1416
Ford	ESA-M1C 75A/B

TYPICAL CHARACTERISTICS

Product Code	1093
NLGI Grade	2
Molybdenum Disulphide, m%	3
Colour	Black
Copper Corrosion 1 h at 100°C 24 h at 100°C	1a 1b
Drop Point, °C	182
Emcor Rust Test, Distilled Water	0
Four Ball EP Test Weld Point, N(kgf) Load Wear Index N(kgf)	3290 (400) 650 (66)
Lithium Soap, m%	8.7
Molybdenum Disulphide, m%	3
Penetration, worked at 25°C	275
Pumpability, g/m	86.9
Timken OK Load, kg	23
Water Content, m%	Nil
Water Spray Off, m%	58

PACK SIZES

180kg, 20kg, 450g

ENVIRONMENT, HEALTH AND SAFETY

Users should consult the MSDS, follow the precautions outlined and comply with all laws and regulations concerning its use and disposal. Used packaging material should not be incinerated or exposed to flame. After use, protect your environment. Do not pollute drains, soil or water with used product.

OTHER INFORMATION

For further information on Caltex products and services call the Lubelink Advisory Service on 1300 364 169 between 8.00am and 6.00pm (EST) Monday to Friday.

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