STANDARD EP2 GREASE

TECHNICAL DATA SHEET

V.01/2024

884

Multi purpose grease for automotive, industrial and agricutural applications (ball/slide/roller bearings, universal joints, chassis, etc..)

DESCRIPTION

STANDARD EP2 GREASE is manufactured using highly refined mineral base oils which are carefully selected and then fortified with synthetic polymers, producing a highly shear stable foundation for the grease. This base oil foundation allows the product to perform in applications where light loads and medium speeds are typical.

STANDARD EP2 GREASE is manufactured using a lithium calcium thickener resulting in a buttery appearance with excellent shear stability characteristics. In addition, this type of thickener is easily pumped, has a moderate resistance to heat and is exhibits excellent water resistance. The optimal operating conditions for this grease in terms of temperature, is from -30 to 130 degrees celcuis, however short periods of elevated temperatures can be tolerated without severe damage to the product.

STANDARD EP2 GREASE is manufactured to a NLGI 2 grade resulting in a grease of medium to soft consistency. The product contains a blend of synthetic tackifiers, increasing it's ability to resist water and adherence with all surfaces.

STANDARD EP2 GREASE is tan in colour and whose formulation includes a full treat of extreme pressure (EP) and corrosion preventative additives enabling the grease to meet or exceed internationally recognised performance standards.

KEY ADVANTAGES

Thermal stability	Very good thermal stability allowing the grease to perform for short periods of time under extreme temperatures, regaining its original texture after cooling to ambient temperature.
Mechanical stability	Allows for long periods of storage or non-use in the application without and mechanical breakdown of the grease thickener (e.g. oil separation)
Anti-corrosive properties	Exhibits very good to excellent anti-rust and anti-corrosion properties.
Water resistant	The thickener has very good natural attributes which displace and resist water ingress.
Heat resistant	Exhibits excellent resistance to heat.

TYPICAL APPLICATIONS

A multi-purpose grease for chassis lubrication as well as most plain and roller bearing applications in shock loaded and wet conditions. Suitable for most grease applications in passenger car, commercial vehicles and off-highway equipment.
Ball & roller bearings, conveyor bearings, plain bearings, slides - general industrial lubrication needs.
Chassis lubrication, hinges, winding mechanisms, suspension, steering linkage systems, etc...
General purpose lubrication of all automotive and agricultural equipment.
General recommendation - avoid contamination of the grease by dust, moisture and/or dirt when applying the product.

TYPICAL TECHNICAL CHARACTERISTICS

DESCRIPTION	METHOD	UNITS	RESULT
NLGI Grade	ASTM D 217		2
Thickener Type			Lithium Calcium
Colour	Visual		Tan
Appearance	Visual		Buttery, Tacky
Penetration	ASTM D 217	0.1mm	280
Dropping Point	ASTM D 2265	°C	190
Viscosity of Oil @ 40°C	ASTM D 2983	cSt	150
4-Ball Wear Test Scar	ASTM D 2266	mm	0.45
4-Ball Weld Load	ASTM D 2596	kg	315
Timken OK Load	ASTM D 2509	lb	45
Corrosion Prevention	ASTM D 1743		Pass
Copper Strip Corrosion	ASTM D 4048		1B

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

SPECIFICATIONS

ASTM D-5864 / CEC L-33-T-82
KP2M-30 (DIN 51825)
ISO-L-X-CCIB2 (ISO 6743-9)

PACKAGING

500g Tubs (12 per box)
4.5kg Plastic Pail
15kg Steel pails
18kg Plastic pails
50kg Steel drums
180kg Steel open top drums

COMPATIBILITY

Mixing greases in a system can cause issues with thickener systems reacting with each other, changing the physical and chemical structure of the grease, causing an inability to hold or release base oil. Proper care must be taken to ensure compatibility when changing from one grease system to another.
This is grease is not compatible with greases making use of the following thickener types: barium, bentonite clay, aluminium complex and polyurea. There is a borderline compatibility with calcium and sodium thickeners. Care must be taken to ensure the application is properly cleaned before using this product if a borderline or non-compatible product has been used before.

ENVIRONMENT, HEALTH and SAFETY

This product is classified under the OECD 301B Modified Sturm, ASTM D-5864, and CEC L-33-T-82 standards as being inherently biodegradable (i.e. 20-70% biodegradable in 28 days). Information is available on this product in the Material Safety Data Sheet (MSDS). Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. This product contains no PCB's (Polychlorinated Biphenyls).

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