



All round Engineering

Tel: 011 024 8888



Reg no.2012/117416/07

Vat no.4140261209

Email: larry@oil4africa.co.za



41 Illana Street Delville, Germiston

PRODUCT DATA SHEET

MAGNUM HD WHEEL BEARING GREASE

PRODUCT DESCRIPTION

Magnum HD Wheel Bearing 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 medium loads and speeds are typical.

Magnum HD Wheel Bearing grease is manufactured using a lithium complex thickener resulting in a buttery appearance with excellent shear stability characteristics. In addition, this type of thickener is easy to pump and has an excellent resistance to heat and water. The optimal operating conditions for this grease in terms of temperature, is from -40 to 175 degrees celcius, however short periods of elevated temperatures can be tolerated without severe damage to the product.

Magnum HD Wheel Bearing 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.

Magnum HD Wheel Bearing grease is Red 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.

APPLICATION

Heavy duty wheel bearings on construction, earthmoving and agricultural equipment. Good corrosion protection, thermally and mechanically stable, specially suitable for wheel bearings and hub units in cars and trucks, light automotive and trailer wheel bearings. Good corrosion protection, thermally and mechanically stable, specially suitable for wheel bearings and hub units in cars and light trailers.

Multipurpose industrial applications with heavier loads and slower speeds. Sliding machine elements (cams and ways).

For slow moving bearings and certain gears that are subjected to high and/or shock loads typically used in pins and bushes on earthmoving equipment, sliding surfaces, slow moving heavily loaded bearings, axles, 5th wheels, screws and slew ring gears.

Directors: Larry Rajpal & Saitish Rajpal

NATIONALLY



All round Engineering

Tel: 011 024 8888



Reg no.2012/117416/07

Vat no.4140261209

Email: larry@oil4africa.co.za



41 Illana Street Delville, Germiston

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)

Excellent Reversibility - After being subject to high temperatures, the grease has excellent reversal characteristics allowing the re-absorption of oil released after periods of high temperature.

Water Resistant - The thickener has very good natural attributes which displace and resist water ingress

NOTE:

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 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.

TYPICAL TECHNICAL PROPERTIES

TEST PROPERTY	METHOD	UNITS	RESULT
NLGI Grade	ASTM D 217		2
Thickener Type			Lithium Complex
Colour	Visual		Red
Appearance	Visual		Buttery, Tacky
Penetration	ASTM D 217	0.1mm	280
Dropping Point	ASTM D 2265	°C	280
Viscosity of Oil @ 40°C	ASTM D 2983	cSt	220
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

Directors: Larry Rajpal & Saitish Rajpal

NATIONALLY



All round Engineering

Tel: 011 024 8888



Reg no.2012/117416/07

Vat no.4140261209

Email: larry@oil4africa.co.za

41 Illana Street Delville, Germiston

MEETS THE REQUIREMENTS OF THE FOLLOWING SPECIFICATIONS:

- ASTM D5864
- CEC L-33-T-82
- DIN 51825
- ISO 6743-9
- NLGI GC-LB

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).

DISCLAIMER

All information contained in this Product Information Leaflet is accurate to the best of our knowledge and belief as at the date of issue. However, the Company makes no warranty or representation, express or implied, as to the accuracy or completeness of such information.

Directors: Larry Rajpal & Saitish Rajpal

NATIONALLY