



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 FIFTH WHEEL GRAPHITE GREASE

PRODUCT DESCRIPTION

Magnum Fifth Wheel Graphite 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 heavy duty loads are typical.

Magnum Fifth Wheel Graphite 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 Fifth Wheel Graphite 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 Fifth Wheel Graphite Grease is grey in colour and whose formulation is fortified with two or more extreme pressure (EP) and corrosion inhibitors. The product contains 5% Molybdenum Disulfide.

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

TYPICAL APPLICATIONS

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.

Heavy duty applications in the mining and construction industry. Rack and pinion mechanisms, winch open gearing, slew ring & pinion, etc...

Construction equipment bearings, earthmoving plant, agricultural equipment, pins & bushes, heavy-duty applications experiencing slow speeds and heavy loads

For the lubrication of 5th wheels, king pins, tractor-trailer turnables, shackle pins, etc...

Multipurpose industrial applications with heavier loads and slower speeds.

Sliding machine elements (cams and ways).

General recommendation - avoid contamination of the grease by moisture and/or dirt when applying the product.

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.

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

TYPICAL TECHNICAL PROPERTIES

TEST PROPERTY	TEST METHOD	UNITS	RESULT
NLGI Grade	ASTM D 217		2
Thickener Type			Lithium Complex
Colour	Visual		Grey
Appearance	Visual		Buttery, Tacky
Penetration	ASTM D 217	0.1mm	280
Dropping Point	ASTM D 2265	°C	280 min
Viscosity of Oil @ 40°C	ASTM D 2983	cSt	500
4-Ball Wear Test Scar	ASTM D 2266	mm	0.38
4-Ball Weld Load	ASTM D 2596	kg	>800
Timken OK Load	ASTM D 2509	lb	65
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.

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

ENVIRONMENT, HEALTH and SAFETY

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).

This product has a shelf life of 36 months when stored in a dry environment at ambient temperatures (10-30°C).

Misrepresentation Act 1967. Trade description Act 1968. The information in this publication is based on our experience and reports from customers. There are many factors outside our control and knowledge which effect the use and performance of our products for which reason no warranty is given, express or implied. This information sheet was prepared from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

Directors: Larry Rajpal & Saitish Rajpal

NATIONALLY