MAK RUBY GREASE 3

Premium quality shiny red gel type grease

MAK Ruby Grease is a premium quality lithium based shiny red gel type grease formulated using premium quality base oil, special lithium based thickener technology and advanced additive package. This grease offers exceptional shear stability and load carrying capacity, making it suitable for heavily loaded bearings of commercial vehicles. High base oil viscosity ensures suitable oil film thickness providing better protection. MAK Ruby Grease provides excellent lubrication to friction parts of rolling and sliding bearings in automotive and other machinery making it superior to other conventional greases.

Grades: MAK Ruby Grease is available in the following NLGI grades – **3**.

Applications:
MAK Ruby Grease is suitable for lubrication of wheel bearings of all type of Passenger & Commercial vehicles, 2-wheeler/ 3-wheelers, On & Off highway vehicles as well as new generation Multi-Axel Trucks and Buses. The grease change interval is 60000 km under ideal condition. Also suggested for industrial applications operating under moderate temperature and moderate load conditions.

Performance/ Benefits:
Enhanced Bearing Life – high performance offers longer greasing interval as compared to other conventional greases.

Very High Drop Point – lithium complex thickener offers high drop point making the grease well suited to lubricate components efficiently under high temperature conditions.

Excellent Thermo-Oxidative Stability – offers high resistance to oxidation and thermal break down. Ensures reliability, longer operating life and less maintenance.

Good Adhesion – provides long lasting lubricating film on the bearing protecting it from any damage with good adhesion properties.

Superior Load Bearing Ability – performance enhancing additives makes it suitable for hub greasing of heavy trucks, trailers etc. which work under arduous conditions.

Excellent Rust Protection – grease offers excellent protection to wheel bearing components of vehicles from rust/ corrosion and enhances their life.

Performance Level/ Specification:

- IS 12203: 1999 (Grade 2) (Reaffirmed 2014)

Typical Physico-Chemical Data: MAK Ruby Grease 3

Characteristics	Method	Value
NLGI Grade	--	3
Appearance	Visual	Smooth & Shiny
Color	Visual	Shiny Crimson Red
Type of Thickener		Lithium
Worked penetration,@ 25 ^{O}C 60 strokes	ASTM D217	235
Drop Point, ^{O}C	ASTM D2265	196
Thermal Stability, % wt. loss	ASTM D6184	5
Base Oil K.V. @ 40 ^{O}C, cSt	ASTM D445	150
Resistance to water washout @ 80 ^{O}C, % wt. loss, max.	ASTM D1264	3.5
Emcor Rust Test	ASTM D6138	0,0
Operating Temperature Range, ^{O}C	-	-20 to 130
Wheel Bearing test Leakage by mass, g Other Observations	ASTM D1263	 2.8 No deposit
Copper Corrosion at 100 ^{O}C for 24 hrs.	ASTM D4048	1b
Four-Ball Weld Load, kg	IP 239	200

Storage & Handling:
The product should be stored inside. Keep it properly sealed to avoid contamination. Avoid freezing. Shelf life is 2 yrs. under protected conditions.

Health & Safety:
It is unlikely to be hazardous when properly used in recommended applications. Contamination of the grease from other oils, greases, chemicals, dirty water etc. can occur during the use. It should be avoided. Regular monitoring of the in-use product is recommended.

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