Product Data

Molub-Alloy BRB 572

Multi-Service Grease

Description

Molub-Alloy BRB 572 Grease is a proven multi-service grease with an outstanding performance record. This NLGI No. 2 Grease was designed to have the following characteristics:

Work-Shear Stability to match the anticipated service life of antifriction bearings.

Controlled Mobility under "full pack" conditions to act as a seal against contamination without excess "churning" and heat generation.

Load Carrying and Anti-wear capabilities beyond conventional greases.

Beyond conventional tests, the Development Qualifications for this unique industrial grease required exceeding these rigorous SKF Performance Tests: R2F, V2F, and Emcor Rust. These tests are used to qualify grease for the most demanding performance and endurance in precision antifriction bearings. This testing would relate to extended service in mills and heavy industry, or many years on a railroad axle.

Molub-Alloy BRB 572 is manufactured from premium petroleum base oil, contains inhibitors against rust and corrosion, and is fortified against oxidation for very long service life.

This unique grease is outstanding in shear stability and in controlled mobility under shear. This result from selection of a most stable lithium thickening system and special manufacturing techniques.

Load carrying and anti-wear capabilities beyond those of conventional greases result from chemical additives working synergistically with select Molub-Alloy lubricating solids blended uniformly throughout the grease.

APPLICATIONS

Molub-Alloy BRB 572 is an outstanding grease for all types of ball and roller bearings, including precision built. It is also used in general application, including journal bearings.

"**Full Pack Concept**": Customarily, bearing manufacturers recommend packing bearings only 1/3 to 1/2 full to avoid churning, shear loss of consistency, and overheating. In bearings with minimal grease capacity, **Molub-Alloy BRB 572** can occupy 60 percent of this capacity effectively.

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Bulk Item Code – 114021

In bearings with additional housing capacity, the bearing and reservoir can be filled (see Notes) and operate effectively up to speeds of 200,000 DN. **Molub-Alloy BRB 572** in the region of the rolling elements softens slightly to circulate without harmful temperature increase.

The bulk grease surrounding the action zone remains undisturbed, sealing out contaminants and minimizing "breathing" as a source of oxidation, water vapour, and fine dust.

Dusty Environments as in cement mills, can be destructive even to bearings with seals if breathing action occurs. A "full pack" of **Molub-Alloy BRB 572** Grease acts as a barrier to the penetration of fine dust.

Motor Bearings and bearings in inaccessible places can operate for very long periods without relubrication because of the outstanding physical and chemical stability of **Molub-Alloy BRB 572**. **Molub-Alloy BRB 572** can be applied by automatic dispensing systems designed for NLGI No. 2 grease consistency.

Advantages

Improved bearing surfaces for longer service life result from the "running in" effect of Molub-Alloy lubricating solids. Lower operating temperatures in "full packed" bearings prolong the service life of both grease and bearing. Excellent sealing from hazardous environments including dust, water and water vapour. Molub-Alloy lubricating solids can extend the useful life of metallic and non-metallic seals.

Notes

Molub-Alloy BRB 572 is not compatible with sodium or inorganic base greases. Lubrication intervals should be increased gradually to ensure effective removal of previous lubricant and the establishment of Molub-Alloy solid lubricants on the bearing surfaces.

In packing a bearing to "full pack" some space must remain to allow for grease expansion to operating temperatures. Where reapplications or purging is performed on a sealed bearing, it should operate with relief port opened until grease expansion is complete.

Typical Properties	**Molub-Alloy BRB 572**
NLGI Grade	2
Thickener type	Lithium
Dropping Point, ASTM D 2265, °C	188
Base Fluid Properties	
Viscosity, ASTM D 445	
@ 40°C, cSt	143
Flash Point, ASTM D 92, COC, °C	232
Pour Point, ASTM D 97, °C	-15
Oxidation Stability, ASTM D 942	
Pressure Drop @ 100 hrs, psi	3
Rust Prevention Test, ASTM D 1743, No. 1 Rating	Pass

Typical Properties (Contd)	**Molub-Alloy BRB 572**
Emcor Rust Test, DIN 51802, IP 220/67	
No. 0 Rating	Pass
Penetration, ASTM D 217	
Worked 60 Strokes	265/295
Worked 100,000 Strokes, % change	+5
Roll Stability, ASTM D 1831, points change	6
Mechanical Stability, SKF-V2F Tester, 500 rpm @ 50°C	No Leakage
Wheel Bearing Performance, ASTM D 1263	
Leakage, grams	0.04
Deposits	None
Timken EP Test, ASTM D 2509, OK Load, kg/lbs	16/35
Four Ball EP Test, ASTM D 2596	
Load Wear Index, kg	63
Weld Load, kg	250
Four Ball Wear Test, ASTM D 2266	
Scar Diameter, mm	0.52
Roller Bearing - Dynamics Performance, SKF R2F Tester	
Elevated Temperature	Pass
Molub-Alloy Solids Grade Classification	Precision Bearing

Subject too Usual Manufacturing Tolerances.

Health, Safety and Environment

In line with safe handling practices, it is recommended that the handling instructions outlined in the Castrol Material Safety Data Sheet be followed.

Spillage: Slippery when spilt. Avoid accidents, clean up immediately. Use absorbent (soil or sand, sawdust, inert material, vermiculite).

Disposal: Collect and seal in properly labelled drums for disposal.