



Castrol Molub-Alloy BH 47/1600-1.5

High Performance Grease

Description

Castrol Molub-Alloy™ BH 47/1600-1.5 is a solids fortified Lithium Complex grease lubricant originally designed to lubricate sugar mill brasses. Its characteristics mean that it is also suitable for any other slowly rotating heavily loaded journal bearings. It contains advanced friction reducing polymers which assist lubrication and reduces wear even under extreme loads.

Castrol Molub-Alloy BH 47/1600-1.5 has outstanding load carrying properties. This is achieved through the use of solid lubricants and state of the art EP additives in a high base oil viscosity matrix.

Application

While Castrol Molub-Alloy BH 47/1600-1.5 was specifically designed for sugar mill brasses, its characteristics mean that it is also suitable for any other slowly rotating heavily loaded journal bearings.

Advantages

- Solid Lubricants helps maintain a separating film between loaded surfaces.
- Advanced EP properties gives excellent load carrying ability.
- Formulation is not aggressive towards copper surfaces, giving prolonged brass life.
- Excellent fluidity at low temperatures. Easily pumped over long distances even during winter.
- Does not contain bitumen or solvents. Safer to use, lower health risk.
- No reduction in performance with sugar juice contamination. Continued lubrication performance throughout crushing season.

Typical Characteristics

Name	Method	Units	Molub-Alloy BH 47/1600-1.5
Appearance	Visual	-	Smooth textured tacky purple grease
Soap Type	-	-	Lithium Complex
Consistency	ISO 2137 / ASTM D217	NLGI Grade	1.5
Worked Penetration (60 strokes @ 25°C / 77°F)	ISO 2137 / ASTM D217	0.1 mm	300-330
Dropping Point	ISO 2176 / ASTM D566	°C/°F	>180/>356
Base Oil Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	1600
Four Ball Weld Load test - Weld Point	ISO 11008 / ASTM D2596	kgf	>800
Four Ball Wear test - Wear Scar Diameter (40 kgf / 75°C / 1200 rpm / 1 hr)	ASTM D2266	mm	0.70

Subject to usual manufacturing tolerances.

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