



Molub-Alloy OG-RI Compound

Running-in Compound

Description

Molub-Alloy™ OG-RI Compound is an NLGI 00 lubricant designed to facilitate the dressing and running-in of open gearing and other machinery operating in heavy-duty service requiring profiling. Molub-Alloy OG-RI Compound is formulated to be readily pumpable and slumpable for even distribution in enclosed and semi-enclosed applications. OG-RI drains readily and may be disposed of along with fluid waste lubricants in accordance with local regulations. Due to its drainable and slumpable nature, Molub-Alloy OG-RI Compound resists tooth root packing.

Application

Molub-Alloy OG-RI Compound is a gel formulated with a non-soap, inorganic thickening system combined with an ISO 1000 grade base fluid. Molub-Alloy OG-RI Compound is designed to provide a controlled level of bedding-in to gear teeth flanks. In conjunction with highly effective extreme pressure (EP), antiwear (AW), and lubricating solids additives, OGRI Compound is not only a highly effective running-in compound but functions as a lubricant as well under controlled field use. Based on Tribol's unique Molub-Alloy "Gel" technology, Molub-Alloy OG-RI Compound can impart the same translucent film to the gear surfaces allowing for visual inspection of running tooth surfaces while providing an effective film of protection to the gears. Molub-Alloy OG-RI Compound may be used as a yearly routine "dressing" lubricant independently and is exceptionally well suited for use in conjunction with the use of Molub-Alloy open gear lubricants. Molub-Alloy OG-RI Compound contains a precise blend of a lapping component, lubricating solids and chemical EP and AW additives that protect gearing while running-in or bedding-in is in process.

Typical Characteristics

Name	Method	Units	Molub-Alloy OG-RI Compound
Appearance	Visual	-	Dark homogeneous grease
Thickener type	-	-	Inorganic
Base oil	-	-	Mineral oil
Consistency	ISO 2137 / ASTM D217	NLGI Grade	00
Density @ 20°C / 68°F	ASTM D4052	kg/m ³	980
Worked Penetration (60 strokes @ 25°C / 77°F)	ISO 2137 / ASTM D217	0.1 mm	400-430
Base Oil Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	1,000
Brookfield Viscosity	ISO 9262 / ASTM D2983	cP	42,000
Copper Corrosion (24 hrs, 100°C / 212°F)	ASTM D4048	Rating	1b
Four Ball Weld Load test - Weld Point	ISO 11008 / ASTM D2596	kgf	620
Ventability test - Lincoln Ventmeter @ 4.4°C / 40°F	US Steel test method	psi	50
Ventability test - Lincoln Ventmeter @ - 1.1°C / 30°F	US Steel test method	psi	50
Ventability test - Lincoln Ventmeter @ - 6.7°C / 20°F	US Steel test method	psi	760

Subject to usual manufacturing tolerances

Additional Information

Molub-Alloy OG-RI Compound is designed to act effectively as a running-in compound rather than by acid etching. OG-RI is highly effective at profiling gears and its usage should be kept to the minimum required to accomplish the desired effect of achieving a recommended minimum 90% tooth load contact area and 14°C/25°F maximum temperature differential across the gear teeth flanks. Molub-Alloy OG-RI Compound may be used in all HD automatic lube systems and has been used for up to seven days continuously without damage to injectors, seals and vent valves. During prolonged usage beyond the recommended minimum, premature wear to automatic lube system components can result due to erosion and abrasive wear.

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