



Molub-Alloy OG 9000

Bearing and open gear lubricant

Description

Molub-Alloy™ OG 9000 is a solids fortified, high viscosity lubricant, designed to lubricate heavily loaded, slow speed journal bearings and open gear system. Molub-Alloy OG 9000 contains solid lubricants and extreme pressure (EP) additives in a heavy base oil and provides excellent wear protection under high and shock load conditions.

Application

The excellent wear protection under high and shock load conditions, ensure the lubrication properties of Molub-Alloy OG 9000 are appropriate for the following applications.

Open Gear Systems: lubrication of slow speed, heavily loaded open gears and pinions, for example:-

- Mining – Ball / Rod / SAG mills
- Sugar – mill pinions and low speed gearing

Journal Bearings: lubrication of slow speed, heavily loaded journal (brass) bearings, for example:-

- Sugar – mill rollers
- Mining - ore crushers

Molub-Alloy OG 9000 can be pumped or sprayed onto gears, pinions and journal bearings using conventional injector type lubrication systems, e.g. Farvel, Wakefield, Lincoln. OG 9000 can be readily pumped both in summer and winter, without special high pressure lubricators often required for grease systems and/or long pumping distances. Housekeeping benefits can also be achieved using Molub-Alloy OG 9000 compared to greases.

Advantages

- Excellent tackiness and adhesion. Less drippage, lubricant stays on the gears – continuous gear tooth lubrication, reduced consumption and cleaner work area.
- Solid lubricants maintain a separating film between mating gear tooth surfaces – which helps minimize gear tooth wear.
- Contains anti-weld and anti-wear additives. Fortifies the solid lubricant film – with high load carrying qualities.
- Does not contain bitumen, solvents or heavy metals. Safer to use, lower health risk – improved health and safety for operators.
- Good fluidity at low temperatures. Easily pumped over long distances and/or during winter – no special lubricating equipment required.
- No chlorinated solvents (ozone depleters). No problem with solvent “flash off”, better storage stability – safer and easier to use, environmental benefits.

Typical Characteristics

Name	Method	Units	OG 9000
Appearance	Visual	-	Dark grey/black oil.
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	9000
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm ² /s	360
Flash Point - closed cup method	ISO 2719 / ASTM D93	°C/°F	216/421
Timken OK Load test	ASTM D2782	kg/lb	18/40
Flash Point, PMCC	ASTM D93	°C	216
Four Ball Wear test - Wear Scar Diameter (40 kgf / 75°C / 1200 rpm / 1 hr)	ASTM D2266	mm	0.6
Four Ball Weld Load test - Weld Point	ASTM D2783	kgf	800+

Subject to usual manufacturing tolerances.

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