Molub-Alloy OG 8031

Open gear lubricant

Description

Molub-Alloy OG 8031 range (previously called Molub-Alloy 8031) is based on a high viscosity base oil gel formulated with a non-soap, inorganic thickening system. They contain a high viscosity base fluid especially designed to provide extreme pressure (EP) and anti-wear characteristics to the lubricant.

A proprietary blend of Molub-Alloy lubricating solids is included to promote anti-wear and load carrying properties beyond those of conventional lubricants. Molub-Alloy lubricating solids work synergistically with chemical antiwear and extreme pressure (EP) additives to reduce contact temperatures and wear while providing the ultimate in anti-weld protection under extreme pressure and shock loading.

Application

Molub-Alloy OG 8031 is designed to lubricate heavily loaded open gears, screw type actuators, and low to moderate velocity bushings and bearings equipped with centralised or sump type lubrication systems.

This range is recommended for use in open gear applications in cement, mining and any other industries, requiring anti-scuff and anti-wear protection and where no product build up is desired. It is also suited for units containing bushings, bearings and/or gears where ISO 2200, 3000 or 6000 viscosity grade lubricant is required, but straight fluid lubricants leak out.

Advantages

- Formulated to minimise distribution line plugging tendency – minimises the potential for eventual plugging of the lubricant distribution lines commonly associated with conventional greases
- Readily pumpable and slumpable for good lubricant distribution – good lubricant distribution in enclosed and semi-enclosed applications, and drainable for ease of removal from surrounding guards.
- Specifically formulated to flush contaminants from gear and pinion flanks, and to resist accumulation in the roots of gear teeth
- Highly thixotropic – exhibits a stable form at rest but becomes a fluid when agitated therefore will not run off the gear teeth. However it will still spread easily and evenly, since the gel-like lube 'liquefies' when pressure is applied carrying away both heat and contaminants
- Formulated to address environmental concerns - free of solvents, lead, antimony, and barium

Additional Information

In order to minimise potential incompatibilities when converting to a new grease, all previous lubricant should be removed as much as possible prior to operation. During initial operation, relubrication intervals should be monitored closely to ensure all previous lubricant is purged.

Castrol BP Petco Llc.
Times Square, 9th Floor
57-69F Dong Khoi, District 1, Ho Chi Minh City, Vietnam
Tel: (84-28) 3821 9153
Fax: (84-28) 3821 9152

Hanoi Representative Office
Hanoi Tower, 7th Floor
49 Hai Ba Trung, Hoan Kiem District, Hanoi
Tel: (84-24) 3934 2238
Fax: (84-24) 3934 2239

Typical Characteristics

Test	Method	Units	Molub Alloy OG 8031/2200	Molub Alloy OG 8031/3000	Molub Alloy OG 8031/6000
Appearance	Visual	-	Dark and Opaque	Dark and Opaque	Dark and Opaque
Thickener Type	-	-	Inorganic	Inorganic	Inorganic
Base Oil Type	-	-	Mineral Oil	Mineral Oil	Mineral Oil
NLGI Grade	-	-	00	00	00
Density at 20°C	inhouse	-	0.937	0.941	0.942
Base Fluid Flash Point	ASTM D92	°C	225	218	232
Worked Penetration, 60 Strokes at 25°C	ASTM D217	0.1mm	400-430	400-430	400-430
Base Oil Viscosity at 40°C	ASTM D445	mm^2/s	2200	3000	6000
Copper Corrosion, 24hrs, 100°C	ASTM D4048	Rating	1b	1b	1b
Four Ball EP Test, Load Wear Index	ASTM D2596	kg	66	88	70
Four Ball EP Test, Weld Load	ASTM D2596	kg	400	400	800
Brookfield Viscosity, Spindle No.7,10 rpm at 25°C	-	cP	76,000	80,000	48,000
FZG Test, A/2.76/50 Failure Stage	DIN 51354	Rating	>12	>12	>12
US Steel Timken Retention Test, 15kg at 30 Minutes	-	Rating	Pass	Pass	Pass
Pumpability by Lincoln Ventmeter at -1°C	inhouse	psi	180	210	200
Pumpability by Lincoln Ventmeter at -7°C	inhouse	psi	350	440	380
Pumpability by Lincoln Ventmeter at -12°C	inhouse	psi	830	840	790

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

Storage

All packages should be stored upright in a covered area, away from extreme climatic influences, dirt and dust.

Castrol Molub-Alloy OG 8031

This product was previously called Molub-Alloy 8031. The name was changed in 2015

42 Apr 2015

Castrol BP Petco Liability Ltd. Co., 9th Floor, Times Square, 57-69F Dong Khoi Street, District 1, Ho Chi Minh City, Vietnam
Customer Service: +84 28 3821 9153
www.castrol.com/vn