



## Molub-Alloy™WC 2204 SF Range

Walking Cam Lubricants (Solvent Free)

### Description

Castrol Molub-Alloy™WC 2204 SF (previously named Molub-Alloy 2204 SF) Walking Cam Lubricants were developed specifically to lubricate the Monighan Walking Cam Mechanism that relocates large draglines manufactured by CAT (Bucyrus International). The primary objectives in the development of Molub-Alloy WC 2204 SF Walking Cam Lubricants were to:

- Maximize extreme pressure (EP) characteristics but without the use of lead compounds or other materials considered hazardous or undesirable in the management of waste by environmental agencies.

- Eliminate "chatter" (vibration) during a relocation.

- Reduce product consumption and waste while minimizing cleanup problems.

Molub-Alloy WC 2204 SF Walking Cam Lubricants are formulated with an inorganic thickener system. Molub-Alloy WC 2204 SF Walking Cam Lubricants forms an adhesive and pliable coating on the cam. This coating grows tougher as it is exposed to the heat and extreme pressure created by the sliding-and-rolling action of the cam and rail in the line contact during walks.

### Application

Molub-Alloy WC 2204 SF Walking Cam Lubricants were developed specifically to lubricate the Monighan Walking Cam Mechanism that relocates large CAT (Bucyrus International) manufactured draglines.

### Advantages

- Compounded for the protection of the ecology and the elimination of hazardous materials.
- Adhesive and pliable coating.
- Resists flaking and peeling.
- Elimination of "chatter" (vibration) during a walk.
- Safe, accurate and economical application when using automatic pressure dispensing systems.
- Minimum product consumption, reduction of waste and housekeeping problems with formation of highly durable lubricant film.
- Reduction of maintenance, costly repairs and lost production.

## Typical Characteristics

Name	Method	Units	Heavy	Light
Consistency	ASTM D217 / ISO 2137	NLGI Grade	1	0/00
Unworked Penetration	ASTM D217 / IP 50	0.1 mm	310-340	380-410
Specific Gravity @ 25°C / 77°F	ASTM D4052 / ISO 12185	kg/m <sup>3</sup>	124	127
Density @ 15°C / 59°F	ASTM D4052 / ISO 12185	kg/m <sup>3</sup>	1125	1017
Thickener type	-	-	Inorganic	Inorganic
Flash Point - open cup method	ASTM D92 / ISO 2592	°C/°F	210/410	182/359
Four Ball Weld Load test - Load Wear Index (27°C / 1770 rpm)	ASTM D2596 / ISO 11008	-	100+	100+
Four Ball Weld Load test - Weld Point	ASTM D2596 / ISO 11008	kgf	800+	800+
Grease Pumpability test - Lincoln Ventmeter @ - 1°C / 30°F	US Steel test method	psi	400	-
Grease Pumpability test - Lincoln Ventmeter @ - 23°C / - 10°F	US Steel test method	psi	-	275
Grease Pumpability test - Lincoln Ventmeter @ - 29°C / - 20°F	US Steel test method	psi	-	700

Subject to usual manufacturing tolerances.

**This product was previously named Molub-Alloy 2204 SF. The name changed in 2015.**

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