



# PRODUCT DATA SHEET



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## MOLYLUBE® MULTIPURPOSE EXTREME PRESSURE GREASE WITH MOLY

**Molylube Multipurpose Extreme Pressure Grease With Moly**, commonly known as Molylube AC 1000 Grease, is an anti-friction bearing grease fortified with Molylube Solids for effective heavy-duty service. It provides outstanding mechanical and thermal stability to withstand shock and heavy loading found in severe environments of mining, construction and process industries. In addition, it offers exceptional water washout resistance, rust and corrosion protection, and exhibits good cohesive and adhesive characteristics. Grades 00, 0, 1, 460-2 are Caterpillar comply with the Caterpillar SD4711 specification for multipurpose grease.

### *Applications*

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- ◆ Mining - general machinery bearings on draglines, shovels and drills, rails and rollers, and general chassis lubrication of mobile equipment (including electric wheel motor seals)
- ◆ General plant lubrication, anti-friction, ball and roller bearings, bushings, chassis, slides, screws and ways
- ◆ Applications can be made manually or by automatic dispensing systems to a minimum ambient temperature of -26°C (-15°F)

### *Features and Benefits*

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- ◆ Moly and graphite lubricating solids Reduced friction for extended component life.
- ◆ Rust and oxidation inhibited Maximizes effective rust protection, non-corrosive to both ferrous and non-ferrous metals, substantially increasing the working life of the lubricant.
- ◆ Mechanical stability Excellent ability to adhere to metal, resisting separation and maintaining its consistency, permitting extended lubrication intervals.
- ◆ Extreme Pressure and anti-wear properties Maximizes component useful life helping to reduce replacement part costs and lost production time.

### *General Description*

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**Molylube Multipurpose Extreme Pressure Grease With Moly** is a mineral oil based aluminum complex multipurpose Extreme Pressure grease. **Molylube Multipurpose Extreme Pressure Grease With Moly** is fortified with additives that produce a tough lubricating film capable of withstanding shock and vibration. **Molylube Multipurpose Extreme Pressure Grease With Moly** is shear stable and maintains its consistency severe duty.

**Product No. 301523, 301208, 301524, 301209, 301210**

**MOLYLUBE<sup>®</sup>**  
**MULTIPURPOSE EXTREME PRESSURE GREASE WITH MOLY**  
TYPICAL PROPERTIES

<u><b>Product No.</b></u>	<u><b>301523</b></u>	<u><b>301208</b></u>	<u><b>301524</b></u>
<u><b>Old Product No.</b></u>	<u><b>40881</b></u>	<u><b>40890</b></u>	<u><b>40900</b></u>
Bel-Ray Name Grade	AC 00	AC 0	AC 1
NLGI Grade	00	0	1
Penetration, worked (60 strokes), ASTM D217 mm/10	415	370	325
Thickener Type	Aluminum Complex	Aluminum Complex	Aluminum Complex
Viscosity (Base Fluid), ASTM D445 @ 40°C, cSt	150	150	220
@ 100°C, cSt	14.87	14.87	19.3
Viscosity (Base Fluid), ASTM D2161 @ 100°F, SUS	786.2	786.2	1160
@ 210°F, SUS	79.1	79.1	98.1
Dropping Point, ASTM D2265, °C (°F)	244 (471)	250 (482)	259 (499)
Mechanic Stability, ASTM D217 Penetration Change after 10,000 strokes, %	7.9	7.2	6.4
Pumpability, Lincoln Ventmeter, from 1800 psi @ Room Temperature, ~25°C (~77°F), psi	0	0	100
@ -1°C (30°F), psi	0	100	225
@ -18°C ( 0°F), psi	275	450	725
Lubricating Solids Type	Molylube Solids	Molylube Solids	Molylube Solids
4-Ball EP Test, ASTM D2596 Weld Load, kg	400	400	400
Load Wear Index, kg	65	65	65
Rust Protection, ASTM D1743, rating	Pass	Pass	Pass
Color	Black	Black	Black

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**MULTIPURPOSE EXTREME PRESSURE GREASE WITH MOLY**  
**TYPICAL PROPERTIES**

<u><b>Product No.</b></u>	<u><b>301209</b></u>	<u><b>301210</b></u>
<u><b>Old Product No.</b></u>	<u><b>40920</b></u>	<u><b>40922</b></u>
Bel-Ray Name Grade	AC 2	AC 460-2
NLGI Grade	2	2
Penetration, worked (60 strokes), ASTM D217 mm/10	280	280
Thickener Type	Aluminum Complex	Aluminum Complex
Viscosity (Base Fluid), ASTM D445 @ 40°C, cSt	220	460
@ 100°C, cSt	19.3	31.4
Viscosity (Base Fluid), ASTM D2161 @ 100°F, SUS	1160	2459
@ 210°F, SUS	98.1	151.5
Dropping Point, ASTM D2265, °C (°F)	260 (500)	261 (501)
Mechanic Stability, ASTM D217 Penetration Change after 10,000 strokes, %	5.0	5.0
Pumpability, Lincoln Ventmeter, from 1800 psi @ Room Temperature, ~25°C (~77°F), psi	175	175
@ -1°C (30°F), psi	500	500
@ -18°C ( 0°F), psi	1000	1200
Lubricating Solids Type	Molylube Solids	Molylube Solids
4-Ball EP Test, ASTM D2596 Weld Load, kg	400	400
Load Wear Index, kg	65	65
Rust Protection, ASTM D1743, rating	Pass	Pass
Color	Black	Black