

Molylube® EP Grease CSC 1

PRODUCT DESCRIPTION

Bel-Ray® Molylube EP Grease CSC 1 is a calcium sulfonate grease with enhanced Extreme Pressure properties enabled by lubricating solids - including Molybdenum - to meet the demands of many off-highway equipment manufacturers. Molylube EP Grease CSC 1 is formulated to be used in the centralized lubricating systems of rolling stock, haulage trucks and other applications requiring an Extreme Pressure grease capable of handling shock loading. Exceeds multipurpose grease requirements of many walking draglines, electric rope shovels, and hydraulic excavators. Molylube EP Grease CSC 1 is available in NLGI Grade 1 in drums and kegs.

PRODUCT FEATURES and BENEFITS

- High dropping point allows product to be used at high operating temperatures, which ensures the grease will not run out of critical lubrication areas
- Superior water & corrosion resistance properties protect metallic surfaces from water contact, while rust preventative additives mitigate rust formation
- Excellent oxidation control by using high quality base stocks and antioxidants to withstand thermal stresses of high temperature environments to prevent the breakdown of the grease to promote consistent performance and maximize useful life.
- Outstanding pumpability allows ease of handling in industrial operations - may be automatically dispensed through many centralized lubrication systems at temperatures as low as -20°C (-4°F).
- High load carrying capability to withstand extreme pressures, preventing direct metal-to-metal contact between moving machinery parts

APPLICATIONS

Bel-Ray Molylube EP Grease CSC 1 is recommended for applications that require an Extreme Pressure grease containing molybdenum disulfide for use in mining, mineral processing, construction equipment, and other general-purpose uses including automatic lubrication systems. This includes anti-friction and plain bearings, bucket pins/bushings, slew bearings for draglines, shovels, hydraulic excavators, rolling stock and haulage equipment.

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Calumet Branded Products, LLC
1060 N Capitol Ave
Suite 6-401
Indianapolis, IN 46204
Technical Services: 317-328-5660
www.belray.com

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TECHNICAL DATA SHEET



PRODUCT DATA

Typical Properties		
Property	Test Method	
Color	Visual	Gray
Thickener Type		Calcium Sulfonate Complex
NLGI Grade		#1
Worked Penetration, dmm	ASTM D217	318
Base Oil Viscosity, @ 40°C, cSt	ASTM D445	220
Base Oil Viscosity, @ 100°C, cSt	ASTM D445	18.3
Dropping Point, °C (°F)	ASTM D2265	261 (502)
Oil Separation, %	ASTM D6184	0.85
Copper Strip Corrosion, 24hr @ 100°C	ASTM D4048	1b
4-Ball EP Test, Weld Point, kgf	ASTM D2596	800
4-Ball EP Test, Load-Wear Index, kgf	ASTM D2596	92
4-Ball Wear Test, Average Scar Diameter, mm	ASTM D2266	0.49
Water Washout, %	ASTM D1264	3.2
Grease Mobility, g/min @ -25°C		2.9
Lincoln Ventmeter, psi @ -25°C		150
Useful Temperature Range, °C (°F)		-30 to 177 (-22 to 350)

HEALTH and SAFETY

Health and safety recommendations for products can be found on the Safety Data Sheet (SDS) at www.belray.com

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