



Molylube® 87M Extreme Pressure Grease

PRODUCT DESCRIPTION

Bel-Ray® Molylube® 87M EP Grease is an aluminum complex multi-purpose grease. It is designed to extend the service life of machine components in the severe duty applications encountered in mining, quarrying, construction, cement and other heavy industries. It is especially effective when used to lubricate the suspension components of heavy-duty equipment such as excavators, dozers, loaders and haul trucks. Molylube 87M EP Grease utilizes a proprietary chemical system to protect machine components against friction and wear under heavy load conditions. Lubricating solids, rust and corrosion inhibitors further enhance the product's performance capabilities.

PRODUCT FEATURES

- Reduced friction
- Impact resistant
- Molylube Solids
- Extended lubrication cycles

BENEFITS

- Reduces operating temperature, friction and wear extending component life
- High base oil viscosity resists "squeeze out" during normal and severe operation for improved product retention
- A Bel-Ray proprietary blend of molybdenum disulfide and select graphite reduces operating temperature and wear
- Primary savings are derived from extended lubrication cycles with additional savings resulting from reduced labor and downtime

APPLICATIONS

- Centralized lubrication systems of heavy-duty mobile equipment and excavators
- Heavily loaded anti-friction bearings and plain bearings
- Rolling mill bearings
- Bucket pins, sliding surfaces and grease lubricated track pins

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5/29/2026



PRODUCT DATA

Typical Properties		
Property	Test Method	NLGI Grade 0
Thickener Type		Aluminum Complex
Worked Penetration @ 25°C, 60 strokes (0.1 mm)	ASTM D217	370
Base Fluid Viscosity @ 40°C (cSt)	ASTM D445	150.0
Base Fluid Viscosity @ 100°C (cSt)	ASTM D445	14.87
Dropping Point, °C (°F)	ASTM D2265	237 (458)
Copper Corrosion, 3 h @ 100°C (Rating)	ASTM D4048	1b
Reactivity with Water (Immersion Test)	FTM-791-3463.2	1
Water Washout @79°C (175°F), % loss	ASTM D1264	11
4-Ball EP Test, Weld Load (kgf)	ASTM D2596	620
Timken EP Test, OK Load (lbs)	ASTM D2509	22.7 (50)
Pumpability, Lincoln Ventmeter, from 1800 psi		-18°C <30 Sec.
Corrosion Preventive Properties	ASTM D1743	Pass
EMCOR Rust Protection, rating, Distilled Water	ASTM D6138	1,1
Color		Gray

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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