



## Molyube<sup>®</sup> Cam Compound L56

### PRODUCT DESCRIPTION

Bel-Ray<sup>®</sup> Molyube<sup>®</sup> Cam Compound L56 is specifically designed to meet the requirements for use on Bucyrus Erie draglines as an economical lubricant for the “Monighan” walking cam mechanism. It is formulated using a non-asphaltic, petroleum base oil, containing no solvents with a carefully selected blend of solids and additives to form an exceptionally tough film in service.

Molyube Cam Compound L56 is designed to have an adhesive-flexible film on the cam surfaces under the extreme pressures in excess of 160,000 psi - Hertz Stress Load at temperatures in excess of 316°C (600°F) generated in the application. Formulated with over thirty (30) percent low-friction lubricating solids, it builds a pliable semi-dry film which limits accumulation of abrasives and dust while resisting washing.

### PRODUCT FEATURES and Benefits

- Tough, pliable film                      Resilient and tenacious, resisting erosion under tremendous service pressure.
- Smoother operation                      Eliminates chatter and vibration for smoother cam operation.
- Environmentally friendly              Solvent free, contains no heavy metals. Remains flexible eliminating cracking and spitting.
- Reduced consumption                  “A little goes a long way,” generating lower operating costs.
- All-season                                  Designed for year-round service where ambient temperatures range from -35°C (-30°F) to 49°C (120°F)

### APPLICATIONS

- Designed for “Monighan” cam systems on Bucyrus Erie draglines where application through an automatic dispensing system is desired, or it can be applied manually as required
- Meets demanding requirements on other slow rolling or sliding surfaces, e.g., cam guide roller and rails, shoe rub rails

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## PRODUCT DATA

Typical Properties		
Property	Test Method	
Thickener Type		Aluminum Complex
Unworked Penetration (mm/10)	ASTM D217	280
Base Oil Type		Semi-Synthetic
Base Fluid Viscosity @ 40°C (cSt)	ASTM D445	69.1
Base Fluid Viscosity @ 100°C (cSt)	ASTM D445	15.26
Base Fluid, Viscosity Index	ASTM D2270	235
Grease Mobility, @-35°C (-31°F), gram/minute	U.S. Steel Method	1.22
Timken Test, Cam Method, BRM-0047 Film Life @ 90 lbs, 10 minutes		Pass
Useful Ambient Temperature Range °C (°F)		-35 to 50* (-30 to 122)
Color		Black

\* The product can be pumped through standard application systems that do not include injectors to -35°C (-30°F). It can be applied through systems that include unheated injectors to -25°C (-13°F). Injectors heated by infrared heaters or other means will reduce the low temperature application limits to -35°C (-30°F).

## HEALTH and SAFETY

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