



COAST LUBRICANTS & INDUSTRIAL SUPPLY

ECOSYNTHETIC HEAVY-DUTY MOLY GREASE SERIES

SynBio™ Series SB-ESG-Moly

SB-ESG-Moly EcoSynthetic® Heavy-Duty lubricating grease is one of the growing number Thermal-Lube's series of lubricants formulated specifically for the Canadian Mining and Forestry Industries containing

5% Molybdenum Disulfide (MoS_2). **SB-ESG-Moly** is Water Resistant and exhibits excellent mobility and water wash-out properties. **SB-ESG-Moly** is designed for extended service under harsh operating conditions and broad temperature ranges.

SB-ESG-Moly is formulated from biodegradable, high quality vegetable oils, and extreme pressure additives for maximum performance. **SB-ESG-Moly** is designed to replace mineral oil-based greases that require oxidation resistance & thermal stability, resistance for wear, rust & corrosion and compatibility with commonly used elastomers. The fine balance of additives, thickener, and base stocks provides the highest quality boundary and hydrodynamic lubrication system for any moving component while providing a high degree of rust and corrosion protection. Due to the inherent sealing property of this lubricant, degradation due to contamination from dust, etc. is minimized, therefore prolonging component life. **SB-ESG-Moly** may be applied with standard grease guns or heavy-duty central lubrication systems.

SB-ESG-Moly can be used for:

- Bucket and Pivot Pins
- Chassis and 5th Wheel lubrication
- Automotive, rail, industrial, and marine applications requiring Molybdenum Disulfide
- Applications in eco-sensitive environments or near waterways

ADVANTAGES:

- Biobased formulation meets OECD 301 >60%
- Non-Toxic (aquatic) meets OECD 202
- Non-Toxic (plants) meets OECD 208
- Protects against Rust and Corrosion
- Higher Flash Point than comparable petroleum-based products
- Compatible with Elastomers (seals)
- Low temperature flowability

TYPICAL SPECIFICATIONS			
Product Code: SB-ESG-Moly	SB-ESG-Moly-0	SB-ESG-Moly - 1	SB-ESG-Moly - 2
N.L.G. I. Grade:	0	1	2
Penetration (after 60 strokes) @ 25°C (ASTM D217)	370	330	270
Melting Point (°C) (ASTM D2265)	>270		
Timken OK Load (kg) (ASTM D2509)	25+		
Four Ball Wear Scar (mm)	0.4		
Four Ball Weld Load (Kg)	425		
Oil Separation (24 hrs @ 25°C) (ASTM D1742)	<1%		
Minimum Pumping Temperature °C	-45	-45	-40
Base Oil Viscosity @ 40°C (ASTM D445)	100	220	220
Water Resistance @80°C (% loss)	<15%		
Additives	Antioxidant; Anti-Wear; EP MoS ₂		
Base Oil	Vegetable/Synthetic		
Colour	Gray/Black		
Base Oil Classification	LOG P >8, LC & LD ₅₀ 5g/kg Naturally Biodegradable		