

## ECOSYNTHETIC® LUBRICATING GREASE

**XL-9100 EcoSynthetic®** lubricating grease is one of the growing number Thermal-Lube's **XL-9000** series of lubricants. It is non-toxic, non-bioaccumulating, and inherently biodegradable. It is a superior quality synthetic WATER-RESISTANT and NON-MELTING grease for operational use in ambient temperatures ranging from -40 to 200°C (-40 to 392°F).

**XL-9100** is formulated from carefully selected synthetic base fluids, hybrid organic thickeners, and biodegradable performance additives. 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.

**XL-9100** can be used for:

- General plant lubrication
- Electric motor
- Ball, roller, plain and anti-friction bearings
- Turbines
- Automotive, industrial, and marine.

Due to the inherent sealing property of this lubricant, degradation due to contamination from dust, etc. is minimized, thus prolonging component life. **XL-9100** may be applied with standard grease guns or heavy duty automatic grease pump systems.

**XL-9100** can be formulated in all standard NLGI grades.

TYPICAL SPECIFICATIONS			
Product Code: XL-9025	/101	/102	/103
N.L.G.I. Grade:	1	2	3
Penetration @ 25°C (ASTM D-217)	325	265	240
After 60 strokes	331	268	240
After 100 strokes	335	273	241
After 10,000 strokes	335	273	241
After 60,000 strokes	343	275	255
Dropping Point (°C) (ASTM D-2265)	None		
Melting Point (°C)	None		
Copper Strip Test (163°C for 3 hours)	Negative		
Texture	Smooth. Buttery		
Colour	White / Light tan		
Timken OK Load (ASTM D-2509)	> 25		
Type of thickener	Inorganic clay / Silica		
Oil Separation (24hrs @ 25°C)	< 1%		
Additives	All biodegradable		
Temperature Range (°C)	-40 to 200		
Minimum Dispensing Temperature (°C)	-45	-40	-40
Maximum Intermittent Temperature (°C)	270	270	270
Base Oil Viscosity (cSt @ -40°C) (ASTM D-445)	200	200	200
Classification of Base Oil	LOG P >8, LC&LD <sub>50s</sub> >5g/Kg, Inherently Biodegradable		
WHMIS Classification	Non controlled		

EcoSynthetic® is a Registered Trademark of Thermal-Lube Inc.



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