

THERMAL-LUBE

ANTI-SEIZE ECOSYNTHETIC HYBRID GREASE

XL9202

November 2025

XL9202 EcoSynthetic® Grease is a biodegradable anti-seize assembly and thread compound specifically engineered to perform in critical high pressure and temperature applications.

XL9202 is formulated using non-metallic ingredients. Is lead-free, and incorporates graphite and molybdenum. The formulation also includes rust and corrosion inhibitors, antioxidants, extreme pressure and anti-wear additives.

XL9202 is very resistant to washing out by water.

XL9202 features an exceptionally strong film that provides the highest level of protection against corrosion and galling.

ADVANTAGES:

- Unique biodegradable formulation for prevention of seizing and tightening.
- Contains no lead, copper, or zinc for reduced toxicity.
- Excellent protection against rust and corrosion.
- Exceptional resistance to water washout.
- Excellent adhesive properties.
- Fortified with extreme pressure additives for high load capacity.
- Formulated to produce an increasing coefficient of friction under compressive force.
- Stability over a wide pressure and temperature range.

APPLICATIONS:

XL9202 can be used in:

- Pipe drilling and connections.
- Flanged connections.
- High temperature bushings.
- Anti-seize for threaded fittings.
- Rings lubricated for life.
- Steam valve stem lubrication.
- High temperature and pressure applications.
- Sealant for underwater threading.



255 Ave Labrosse, Pointe-Claire, Québec, Canada H9R 1A3

T: +1.514.694.5823; www.thermal-lube.com

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SPECIFICATIONS:

XL9202 quality includes :

- Readily Biodegradable to OECD 301 >60%
- Non-toxic (aquatic) conforming to OECD 202
- Non-toxic (plant-based) complies with OECD 208
- Protects against rust and corrosion
- Higher flash point than comparable petroleum-based products
- Compatible with elastomers (gaskets)
- Fluidity at low temperatures

TYPICAL SPECIFICATIONS

Product Code: XL9102	/001	/002
NLGI Grade:	1	2
Penetration (after 60 strokes) @ 25°C (ASTM D217)	315-335	270-285
Dropping Point(°C) (ASTM D2265)	316	
Timken OK Load (kg) (ASTM D2509)	30.5	
Oil Separation (24hrs @ 25°C) (ASTM D1742)	0.5%	0.4%
Temperature Range (°C)	-25 to 400	
Minimum Dispensing Temperature (°C)	-20	
Maximum Intermittent Temperature (°C)	1200	
Base Oil	Vegetable/Synthetic	
Type of Thickener	Lithium Complex	
Texture	Smooth/Tacky	
Copper Strip Test (@ 163°C for 3 hours) (ASTM D4048)	1A	



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