

# THE THERMAL-LUBE

## BIODEGRADABLE DRILL ROD GREASE

# XL9101

August 2023

**XL9101/003** is our biodegradable vegetable-based lithium/calcium drill rod grease and is designed to lubricate the outside of drill rods and slides on rod handlers. It's non-toxic, non-bioaccumulating, and readily biodegradable. **XL9101/003** is fibrous adhesive water wash off resistant grease making it ideal for any rod grease application.

### ADVANTAGES:

- Readily biodegradable, non-toxic and non-bioaccumulating
- Exceptional resistance to water wash off
- contains extreme pressure additives for low coefficient of friction
- Corrosion protection
- Compatible with conventional drilling fluid
- Safer than petroleum greases because of its higher flash point

### APPLICATIONS:

Because of its excellent biodegradability and very low ecotoxicity, **XL9101/003** is particularly recommended anywhere a release may present an environmental hazard. Typical applications include geotechnical, oil, gas and mining drilling.

### TYPICAL SPECIFICATIONS

Product Code: XL9101/003	(General Specifications)
N.L.G.I Grade	Grade 3
Cone Penetration @ 25C , Worked 60, ASTM D217	220-250
Dropping Point (°C), ASTM D2265	177 Minimum
Colour, Visual	TAN
Appearance, Visual	SMOOTH / TACKY
Type of thickener	Lithium / Calcium
Base Oil Flashpoint, F (C)	340
Base Oil Kinematic Viscosity cSt @ 40°C cSt @ 100°C	35 8.25
Four Ball Wear, mm, ASTM D2266	0.5
Water Spray Off , % LOSS, ASTM D4049	48



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