

## Product Summary

Turbo-Lube XLT® is a highly concentrated, non-toxic, biodegradable Extreme Pressure Lubricant. Turbo-Lube XLT® exhibits unmatched thermal stability with no adverse effects to the mud system and will tolerate high solids situations without increasing the fluid rheology.

## Physical Properties:

Solubility (oil): Soluble  
Solubility (water): Dispersible  
Specific Gravity (g/mL.): 0.90  
Appearance: Dark Liquid  
pH in 1% solution: 6-8



## Recommended Treatment

- **Torque and Drag:** 1-3 % by volume. Maintenance is achieved by adding .5-1 drum per 24-hour period or as needed to increase ROP.
- **Sliding Pills:** 3-5% by volume can be added directly to the suction pit or sent downhole in pills to reduce torque and increase ROP.
- **Stuck Pipe:** Can be spotted in its concentrated form across the zone where the drill pipe has become stuck. Sufficient soaking time should be allowed while tension and torque is applied to the drill string and worked up and down in attempt to free the pipe.

## Wellbore Stability Benefits:

- Compatible in all mud types.
- Reduces torque and coefficient of friction.
- Reduces metal to metal friction.
- Will not adversely affect mud properties.
- No foaming tendencies which is common with most common drilling lubricants that contain common surfactant packages that exhibit foaming.
- Highly effective in extended reaching laterals and highly deviated wells.
- Reduces casing wear.
- Prevents BHA and bit balling.

## Handling and Storage

Proper PPE should be worn while handling this product. Minimize dust exposure. Please review SDS before

## Packaging

Turbo-Lube XLT® is available in 55-gallon drums or 275-gallon tote tanks.