

Product Summary

Turbo-Lube WO is a concentrated extreme lubricant that is nontoxic and biodegradable. Turbo-Lube WO is highly dispersible and will optimize key properties of the mud system due to its compatibility with other drilling additives. Turbo-Lube WO excels in extended reach / highly deviated wells as well as coil tubing operations. Turbo-Lube WO exhibits unmatched thermal stability with no adverse effects to the system and will tolerate high solids situations without increasing the rheology.

Physical Properties:

Solubility (oil): Soluble

Solubility (water): Dispersible

Specific Gravity (g/mL.): 0.90

Appearance: Dark Liquid

pH in 1% solution: 8-9

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.



Handling and Storage

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

Packaging

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