

# TURBO-CHEM<sup>®</sup>

INTERNATIONAL, INC.

The Wellbore Stability Specialists

# Turbo- Glass Beads

ROP enhancing spherical beads

## DESCRIPTION

Turbo-Chem's glass beads are specifically sized solid lubricant spheres used for minimizing differential sticking and torque/drag issues while drilling.

## TYPICAL PHYSICAL PROPERTIES:

- Appearance: Clear with a slight green tint.
- Specific Gravity: 2.5-2.6
- Hardness (Mohs Scale) 5.5
- Crush Resistance: 28-35k

## RECOMMENDED TREATMENT:

**Torque & Drag:** 5-15 ppb while drilling straight hole.  
10-20 ppb while drilling horizontal hole.

**Sliding Pills:** 5-15 ppb by volume can be added directly to the suction pit or sent in sliding pills to reduce torque and increase ROP.

## DRILLING FLUID ADDITION COMPATIBILITY:

Compatible in water and oil base muds.

## BENEFITS:

- ✓ Reduces Torque and coefficient of friction.
- ✓ When spotted as a pill, it enhances tripping/logging/casing runs.
- ✓ Promotes "ball bearing" effect.
- ✓ Will not adversely affect the mud properties.
- ✓ Increases ROP.
- ✓ Effective in highly deviated wells.

**HANDLING:** Turbo- Glass Beads are available in 50 lb. sacks.

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