

INVERTRA[†]

INVERT EMULSION EXTREME PRESSURE LUBRICANT

BENEFITS

- Reduces metal-to-metal and metal-to-formation torque and drag.
- Engineered for invert emulsion systems to perform at low concentrations with no adverse impact to rheology.
- Reduces coefficient of friction by 20% or more based on testing.

APPLICATIONS

- Oil-based systems, including extended-reach and extreme pressure wells.
- Slimhole applications, where a reduction in coefficient of friction can improve weight-on-bit (WOB) issues.
- 1 - 3% v/v in a continuous circulating.

PROPERTIES

- Appearance: Dark amber liquid
- Specific Gravity: 0.92
- Flash Point: > 201°F
- Solubility: Oil-soluble

TREATMENT RECOMMENDATIONS

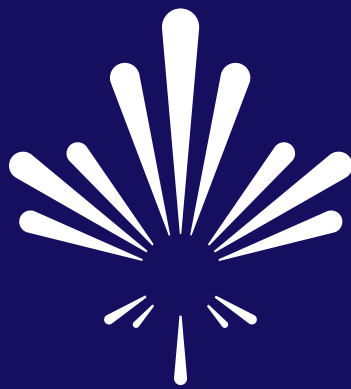
Add 0.50 - 1% v/v INVERTRA directly to the circulating system near an agitator for thorough blending. Monitor torque reduction trends. Continue additions in 0.5% v/v increments until the torque reduction stabilizes. Most applications require between 1% v/v and 3% v/v for maximum reduction. Lubricant performance may diminish if treatment levels exceed recommended concentrations.

As with any fluid additive introduction, pilot testing is recommended for new applications. Monitor fluid loss and treat with supplemental emulsifier, if necessary.

PACKAGING AND HANDLING

INVERTRA is available in 275 gallon totes. Handle INVERTRA as an industrial chemical, wearing protective equipment and observing precautions as described in the Safety Data Sheet (SDS).





AES DRILLING FLUIDS

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