



Description

Temperature Stabilizer is a high-quality temperature stabilizer which is used in water-based drilling fluids in order to increase polymers' stability in high temperature zones. Moreover, it can decrease the possibility of fluid loss & rheological properties' changes.

Application

Main function of Temperature Stabilizer is providing thermal stability in high-temperature zones (300 Fahrenheit degrees and more). Also, Temperature Stabilizer is applicable in different mud densities (9-20 PPG).

Advantages

- Compatible with different types of water-based drilling fluids
- Provides high thermal stability for polymers (300 Fahrenheit degrees and more)
- Reduces possibility of significant changes in filtration properties
- Minimizes rheological drop due to high temperatures
- Minimum adverse effect on rheological properties of fluids
- Applicable in different mud densities (9-20 PPG)
- No significant change in alkalinity and pH value

Limitations

- In higher temperatures requires Oxygen-Scavenger in base fluid.
- Less effective in high-saline environments
- Require good shearing to fully-yield

Treatment

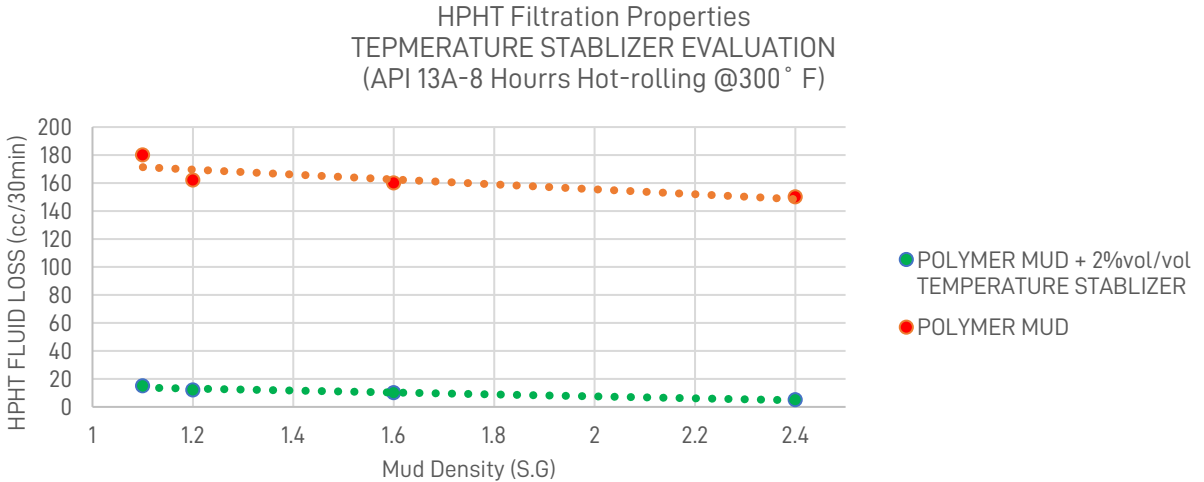
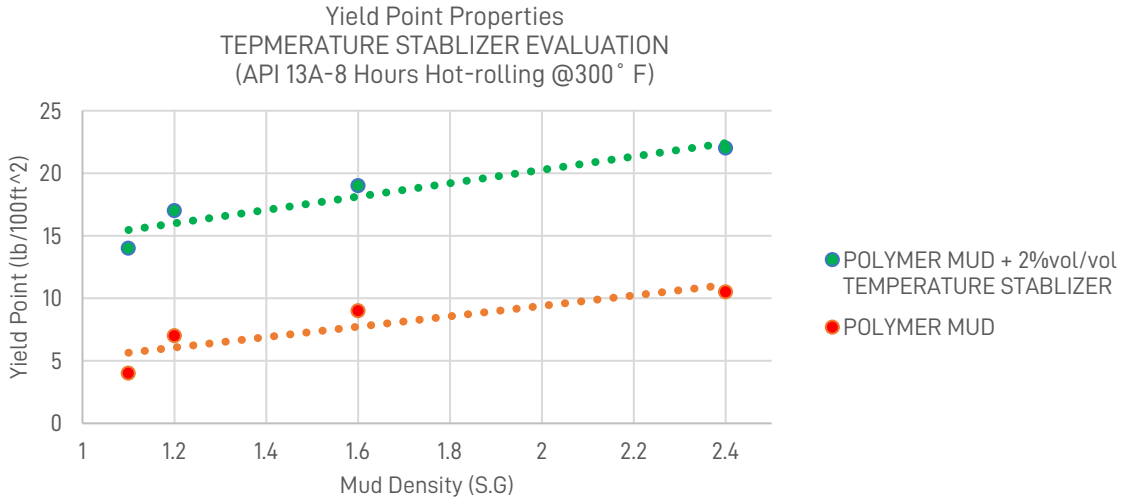
It is recommended to use Temperature Stabilizer in water-based muds with concentrations of 1 to 3% vol/vol in high temperature zones. Periodic treatment of active drilling fluid while drilling is highly recommended. Pilot tests must be performed before mixing the product.

Typical Properties

Appearance	Clear liquid
Specific Gravity (25 Celsius degrees)	1.0-1.1
pH (10% solution)	9.8-10
Water Solubility	Soluble in brine or fresh water

Performance Evaluation

Temperature Stabilizer can improve rheological and fluid loss properties in High-temperature conditions.



Packaging

Temperature Stabilizer is available in 55-Gal Drums.