

NXS-LUBE®

Lubricant

Product Data Sheet

Product Description

NXS-LUBE® lubricant is a synthetic surfactant suitable for use in all water based fluids at high pressures and temperatures up to 450°F (232°C). NXS-LUBE lubricant is effective in low concentrations, can provide extreme pressure (metal-to-metal) and borehole (metal-to-formation) lubricity without having a negative affect on the drilling fluid properties and is moderately tollerant of divalent ions. NXS-LUBE lubricant is also effective in silicate-based drilling fluids, but is generally not effective in saturated salt systems and brines unless run at greater than 5% by volume.

Applications / Functions

- Reduces the friction between the drill string and casing or wall cake
- Can be used in extreme and low pressure situations
- Forms a lasting, lubricious film on contact surfaces

Advantages

- Can be rapidly incorporated into the active mud system
- Immediately minimizes friction on contact
- Does not grease out in aqueous environments with high alkalinity or high divalent ion concentrations
- Helps prevent excessive wear on casing/collars
- Reduces torque and drag in high-angle and S-shaped wells
- Effective in all water-based drilling fluids and stable to 450°F (232°C)

Typical Properties

- | | |
|--------------------|----------------|
| • Appearance | Amber liquid |
| • Specific gravity | 0.99 |
| • Boiling point | 500°F (260 °C) |

Recommended Treatment

For normal treatment, add 1-3% by volume to the system to reduce friction.
To free stuck pipe, add 3-6% by volume in a slug or sweep treatment.

Packaging

NXS-LUBE lubricant is packaged in tote tanks, 55-gal (208-L) drums, and 5-gal pails.

www.halliburton.com/baroid

Because the conditions of use of this product are beyond the seller's control, the product is sold without warranty either express or implied and upon condition that purchaser make its own test to determine the suitability for purchaser's application. Purchaser assumes all risk of use and handling of this product. This product will be replaced if defective in manufacture or packaging or if damaged. Except for such replacement, seller is not liable for any damages caused by this product or its use. The statements and recommendations made herein are believed to be accurate. No guarantee of their accuracy is made, however.

NXS-LUBE is a registered trademark of Halliburton © 2010 Halliburton All Rights Reserved