



BAROID NXS-LUBE®

Extreme Pressure Lubricant

Description NXS-LUBE® extreme pressure (EP) lubricant is a proprietary blend of synthetic components specially formulated to help provide friction reduction in water-based fluids. NXS-LUBE extreme pressure lubricant has proven extremely effective in helping to minimize friction pressures in the metal-to-metal and metal-to-formation environments found in high angle wells.

Applications/Functions

The use of NXS-LUBE lubricant assists or promotes the following:

- Reduce drill rod torque and drag
- Lubricate drill rods and casing in close tolerance boreholes
- Reduce heat generated at bit face
- Enhance tolerance of chemical contaminations in drilling fluids
- Minimize potential for differential sticking

Advantages

- Effective at low concentrations
- Can mix in fresh or salty water
- Compatible with most drilling fluid additives
- Minimal effect on rheological properties
- Helps increase lubricating properties of bentonite and polymer based drilling fluid systems
- Stable at elevated sub-surface temperatures

Typical Properties

- Appearance Amber liquid
- Density, lb/gal 8.3 (0.99 g/cm³) @ 68°F (20°C)
- Flash point, PMCC °F, °C >200, (>94)

Recommended Treatment

Approximate Amounts of NXS-LUBE extreme pressure lubricant Added to Water-Based Drilling Fluids		
% by Volume	Quarts/100 Gallons	Liters/m ³
0.5 – 2.0	2 - 8	5 - 20

Note:

- For maximum efficiency maintain drilling fluid slurry density below 10 pounds per gallon (1.2 g/cm³)

As a friction reducer in problematic zones or deviated holes:

- Slug 2 to 4 quarts (2-4 liters) down pipe to reduce torque and drag

Packaging NXS-LUBE® extreme pressure lubricant is packaged in a 5-gal (19-liters)

Availability NXS-LUBE extreme pressure lubricant can be purchased through any Baroid Industrial Drilling Products Retailer. To locate the Baroid IDP retailer nearest you contact the Customer Service Department in Houston or your area IDP Sales Representative.

Baroid Industrial Drilling Products

Product Service Line, Halliburton

3000 N. Sam Houston Pkwy. E.

Houston, TX 77032

Customer Service (800) 735-6075 Toll Free (281) 871-4612

Technical Service (877) 379-7412 Toll Free (281) 871-4613
