BARO-LUBE GOLD SEAL™ lubricant is a blend of surfactants and lubricants specifically formulated to be an effective alternative to oil-based lubricants where environmental constraints preclude the use of hydrocarbon-based additives. This concentrated blend of lubricity additives can provide optimal extreme pressure (metal-to-metal) and borehole (metal-to-formation) lubricity without having a negative affect on the drilling fluid properties. BARO-LUBE GOLD SEAL lubricant is water soluble, does not form a sheen and is biodegradable. Caution should be observed when using this product in drilling fluids containing high concentrations of divalent cations, e.g. Calcium, and well temperatures of near 300°F (149°C) because soaping out of this product could take place.

**Applications / Functions**

- BARO-LUBE GOLD SEAL lubricant can be used to reduce torque and drag and sticking shale problems.

**Advantages**

- Is completely water soluble
- Does not form a sheen
- Is nonpolluting and biodegradable

**Typical Properties**

- **Appearance**: Clear amber liquid
- **Flash point**: >200°F (93°C)
- **Specific gravity**: 0.94
- **Solubility**: Water soluble

**Recommended Treatment**

BARO-LUBE GOLD SEAL lubricant is a concentrated product; add 2-5% by volume. 2% is recommended for all but the most severe cases.

Note: Heavily weighted drilling fluids may require slightly higher concentrations.

**Packaging**

BARO-LUBE GOLD SEAL lubricant is packaged in 1-gal (3.8-l), 5-g (18.9-l), 55-gal (208-l) drums and in bulk.