



Drilling Fluids, Inc.

**PetroDrill Diesel Oil
Based Mud**

Description

GEO PETRODRILL LVT OIL BASE MUD SYSTEM

PETRODRILL LVT is a water-in-oil (invert) drilling fluid technology which provides fluid systems that are environmentally friendly, economical, fast drilling, and non-damaging to the reservoir. The highly concentrated chemical components allow formulation for a variety of temperature and pressure conditions.

Uses

PETRODRILL systems are used where differential sticking and/or clay swelling are a significant problem.

Benefits

The inhibitive external phase and thin wall cake virtually eliminate differential sticking while providing the lowest possible torque and drag values. The PETRODRILL system can be formulated to be stable to temperatures in excess of 450°F and pressures greater than 20,000 psi. LVT-200 base oil can be disposed of by most conventional methods.

Treatment

PETRODRILL LVT is a complete system. Detailed descriptions of the system, its components, and treatment levels can be found in the PETRODRILL LVT manual.

Function

PETRODRILL LVT functions as premium drilling fluid for extreme pressure, temperature or deviation wells. The coefficient of friction is extremely low.

**Typical Physical
Properties**

The properties of PETRODRILL LVT can be adjusted to meet the demands of the individual well. Density can vary from 8.0 ppg to 18.0 ppg. Viscosity is tailored to the hole cleaning a pressure loss demands of the situation.

**Safe Handling
Recommendations**

Storage and transportation must be in accordance with federal, state and local regulations. Additional information may be found on the Material Safety Data Sheet (MSDS) for this product. Use safe handling procedures found on the LVT Product information page as well as the LVT-200 MSDS.

Packaging

Sold as a bulk fluid by the 42 gallon barrel. Transportation use and storage vary with location.



**Petro Drill Oil Based
Products**

**Typical Physical
Properties**

**Safe Handling
Recommendations**

Packaging

LVT 200 (continued)

Physical Appearance.....Clear, colorless hydro-carbon liquid.
Specific Gravity.....0.82
Bulk Density.....
Hygroscopic.....
pH in water.....
Flash Point.....200° F
API Gravity41.5
Aniline Point.....166° F

Storage and transportation must be in accordance with federal, state, and local regulations. Additional information on safety, storage and handling is included in the Material Safety Data Sheet

Delivered by vacuum truck, stored on location in appropriate tanks. Also available in drums and totes where applicable. Experience has shown that both nitrile rubber (e.g., "Buna-N") and fluoroelastomers are compatible with LVT 200.