



Technical Data Sheet

VFD-648

Product Description

VFD - 648 is an oil soluble extreme pressure drilling fluid lubricant that is composed of specially formulated surfactants.

Applications:

VFD - 648 forms a very tenacious film on all metal surfaces and is stable under pressures of thousands of psi. Excellent torque reduction is realized in slim-hole and directional drilling which permits higher RPM. INC-648 will significantly reduce torque, drag, metal surface wear, and prolong bit life.

Treatments:

Add 1-5 lb/bbl (2.9-14.3 kg/m³) of SUSPENSION suspension agent.

KEY BENEFITS

- **Forms a very tenacious film on all metal surfaces.**
- **Stable under pressures of thousands of PSI.**
- **Excellent torque reducer in slim holes.**
- **Prolong bit life.**

Key Properties

Color	Dark Amber
Physical Form	Liquid
Specific Gravity	0.906
pH	7.0
Flash Point (°F)	110°F
Pour Point (°F)	15° F