

## DOVERLUBE DFA-1540

### *A Rotary-Drilling & Coiled-Tubing Lubricant*

**Doverlube DFA-1540** is an innovative, patent-pending sulfurized lubricant additive, highly reactive to both metal and silicate surfaces. It reduces torque/friction by more than **50%** for both conventional **rotary** and **coiled-tubing** (CT) drillings, at 1% usage level in water-based mud formula or CT formula, twice more effective lubricant than a popular commercial counterpart. At 1 wt% in aged WBM, **COF** is measured to be **0.090-0.110** in the laboratory.

### RHEOLOGY TESTING RESULTS FOR WATER-BASED MUDS

Fluids	Parameters					
	600 rpm	300 rpm	PV	YP	10s gel	10 min gel
Blank mud	74	47	27	20	6	11
1 ppb 1540	69	44	25	19	6	11

### %FR & COF, AHR @ 250 F, 1% LEVEL

	% Friction Reduction	COF
<b>1% DFA-1540 in WBM</b>	68%	0.090

DFA-1540 can be added directly to the mud hopper or to the mud pit; it may be stored in an original container, drums and totes or bulk storage tanks.

### TYPICAL PROPERTIES

Property	DFA-1540
Appearance	Dark, brown liquid
Viscosity, cSt, 100F	400
Specific Gravity, 60F	1.06-1.08
Lb/gal , 60F	8.8 - 9.0
Flash point, COC, F	360
Pour Point, C	Minus-25

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