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
1% DFA-1540 in WBM	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

The information contained on this data sheet is believed to be reliable. Since the conditions of application and use of our products are beyond our control, no warranty is expressed or implied regarding accuracy of the information, the results obtained from the use of the product, or that such use will not infringe on any patent. This information is furnished with the express condition that you will conduct your own tests to determine the suitability of the product for your particular use. (insert date) Chlorez®, Chlorowax®, Hordaresin®, Doverguard®, Doverlube®, Dovernox®, Doverphos®, Dover PhosBooster®, Doverphos HiPure®, Doversperse®, Emulamid®, Inversol®, Kloro®, Lube Booster®, Mayco Base®, Maysperm®, Maychlor®, Maysyn®, Paroil®, Syncheck® and Synkad® are registered trademarks of Dover Chemical Corporation.

3676 Davis Road NW, Dover, OH 44622
330-343-7711 · 800-321-8805 · Facsimile 330-365-3926 • www.doverchem.com