# DOVERLUBE DFA-0938 W

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

**Doverlube DFA-0938 W** is the blend of sulfurized fatty compounds and hydrocarbons, the **most popular** lubricant additive manufactured by Dover Chemical Corporation. It reduces torque/friction by **40-50%** for both conventional **rotary** and **coiled-tubing** (CT) drillings, with a **COF** of 0.100, at 1% usage level in water-based mud or CT formula. In the laboratory, **DFA-0938 W** shows an effective friction-reduction capability at 150-350F aging:

**OFITE'S TORQUE REDUCTION AT ELEVATED TEMPERATURES AT 1 % LEVEL IN WATER-BASED MUD**

| Torques (lb-in) | @150 lb Load | @200 lb Load | @250 lb Load | @300 lb Load |
|---|---|---|---|---|
| No additive | 42 | 54 | 65 | 70+ |
| 1%, 150F AHR | 10 | 13 | 17 | 20 |
| 1%, 250F AHR | 9 | 12 | 17 | 21 |
| 1%, 350F AHR | 13 | 23 | 33 | 46 |

**%FR & COF, AHR @ 150 F, 1% LEVEL**

| | % Friction Reduction | COF |
|---|---|---|
| **1% DFA-0938W in WBM** | 76% | 0.100 |

The product can be added directly to the mud hopper or to the mud pit.

**Doverlube DFA-0938 W** may be stored in an original container, drums and totes or bulk storage tanks.

**TYPICAL PROPERTIES**

| Property | Typical Result |
|---|---|
| Appearance | Dark, brown liquid |
| Viscosity, cSt, 100F | 15-32 |
| Specific Gravity, 60F | 0.9 |
| Lb/gal , 60F | 7.9 |
| Flash point, COC, F | 320 |
| Pour Point, C | Minus-10 |

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