

INFORMATION

STUCKBREAKER-W

WEIGHTED SPOTTING FLUID

DESCRIPTION

STUCKBREAKER-W is a specially formulated liquid blend of emulsifiers, gelling agents, and lubricants which quickly forms a stable invert emulsion when mixed with diesel or other light oils and water.

APPLICATION

STUCKBREAKER-W may be used to provide cost-effective spotting fluids with densities ranging from 7.3 to 18 ppg (876 to 2160 gal/L). STUCKBREAKER-W spotting fluids chemically penetrate the wall cake between the drill pipe and the formation, allowing the emulsion to seep behind the pipe, lubricating the pipe and equalizing the pressure, thus freeing the pipe.

RECOMMENDED TREATMENT

A mixing table for preparation of STUCKBREAKER-W spotting fluids is attached. Tables for preparation of STUCKBREAKER-W spacer and packer fluids are provided upon request.

MIXING TABLE

Density STUCKBREAKER-W (ppg)	STUCKBREAKER-W (55 gal drums)	Diesel (bbl)	Water (bbl)	Barite (100 lb bags)
7.3	6	65	28	--
8.0	6	65	28	15
9.0	6	61	27	85
10.0	6	58	26	140
11.0	6	56	24	195
12.0	6	54	22	250
13.0	6	51	21	300
14.0	6	49	21	350
15.0	6	50	15	410
16.0	6	51	11	465
17.0	6	47	10	515
18.0	6	44	10	570

MIXING INSTRUCTIONS

1. Add diesel to mixing tank.
2. Add STUCKBREAKER-W concentrate while mixing.
3. Add water while mixing.
4. Mix at high shear as long as possible, to build strong emulsion.
5. Add barite slowly while mixing.

PACKAGING

STUCKBREAKER-W is packaged in export quality 55 U.S. gal steel drums containing approximately 450 lb (204 kg) of product.

STUCKBREAKER-W is a Messina trademark