



TRU-OIL

BASIC PACKAGE FOR OIL-BASE MUD

DESCRIPTION

TRU-OIL is the basic package for preparation of Messina's TRU-OIL oil base fluid system. The TRU-OIL basic package is a powdered blend of chemicals which impart viscosity, gel strengths and fluid loss to diesel or selected crude oils.

APPLICATION

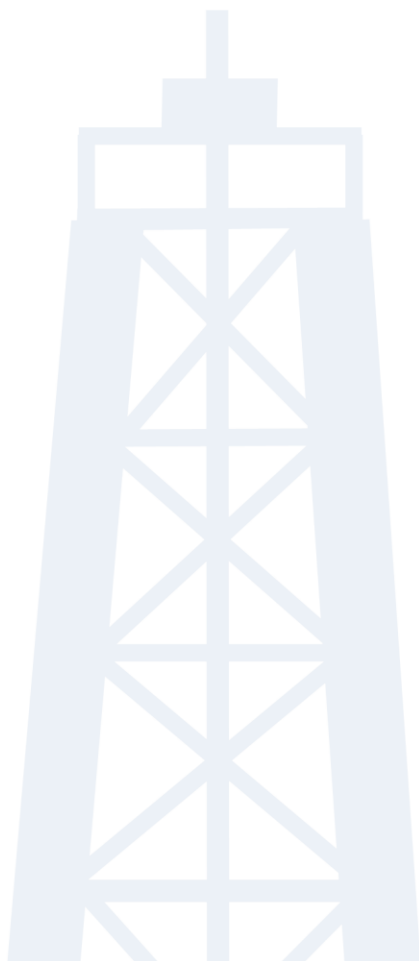
TRU-OIL additive is ideal for the preparation of oil base packer fluids, workover, spotting fluids, high-performance fluids for drilling and native-state coring. TRU-OIL is added to diesel with three to five percent water to form the TRU-OIL system. Supplementary additives such as OILCON, OILWET and OILVIS can be used to modify the system as required, depending on application.

RECOMMENDED TREATMENT

The amount of TRU-OIL required will vary with specific applications and should be determined by pilot tests with the oils to be used, especially for workover, packer and coring applications. To formulate the TRU-OIL system for drilling, the mixing table below should be used.

PACKAGING

TRU-OIL is packaged in 50 lb (22.7 kg) export paper bags. International packaging may vary.





TRU-OIL

Standard Formulations for Mixing 100 bbl of TRU-OIL Drilling Fluid

Aw = 1.00

90/10 oil/water ratio

MUD WT. (ppg)	DIESEL OIL (bbl)	TRU-OIL (sacks)*	OILCON (lb)	OILWET (lb)	WATER (bbl)	BARITE (sacks)
8.0	80.0	80.0	100	100	8.9	28
8.5	78.0	78.0	100	100	8.7	54
9.0	77.0	77.0	100	100	8.5	81
9.5	75.5	75.5	100	100	8.3	108
10.0	74.0	74.0	100	100	8.2	134
10.5	72.5	72.5	100	100	8.0	161
11.0	71.0	71.0	100	100	7.8	188
11.5	69.5	69.5	100	100	7.7	215
12.0	68.0	68.0	100	100	7.5	241
12.5	66.5	66.5	100	100	7.3	268
13.0	65.0	65.0	100	100	7.2	295
13.5	63.5	63.5	100	100	7.0	321
14.0	62.0	62.0	100	100	6.8	348
14.5	60.5	60.5	100	100	6.7	375
15.0	59.0	59.0	100	100	6.5	401
15.5	57.5	57.5	100	100	6.3	428
16.0	55.5	55.5	200	200	6.1	455
16.5	54.0	54.0	200	200	6.0	481
17.0	52.5	52.5	200	200	5.8	508
17.5	51.0	51.0	200	200	5.6	535
18.0	49.5	49.5	200	200	5.5	562

* 50 lb sack

TRU-OIL is a Messina trademark

