REAMUL

DESCRIPTION

A multipurpose oil-based drilling mud emulsifier. Additional advantages include increased heat stability under high temperature and high pressure (HTHP) conditions. This product may be used within a wide temperature range and at presence of polluting agents such as water, solids and cement.

MAIN PHYSICAL PROPERTIES

Appearance:.....dark viscous liquid
Density:..... 1,2 g/sm^3
Freezing point:..... < -25 °C

APPLICATION

The emulsifier creates a base emulsion of saline in oil required for the oil-based drilling mud systems. The initial system conditioning requires 15 to 30 l/m3 depending on the density, oil/water factor and required heat stability. The effective action of emulsifier requires additional quantity of lime from 6 to 15 kg/m3 at initial preparation.

ADVANTAGES

- It is resistant to temperatures > 120°C and also to low temperatures
- It increases emulsion stability
- Solutions with REAMUL emulsifier have less plastic viscosity and higher electrical stability
- It improves thermal stability, rheological stability and resistance of hydrocarbon based solutions to contaminants
- It efficiently neutralizes negative effect when contaminated with water that is appeared in hyperviscosity and low stability of emulsifier

LIMITATIONS

- As REAMUL emulsifier is used together with crude oil, it is required to observe environmental standards in regard to use of crude oil and hydrocarbon based solutions
- REAMUL forms less viscous inverted emulsions, therefore it is not recommended to use it when VG-Plus concentration is less than10 kg/m3

HANDLING

When applying at the drilling site it is recommended to use the standard set of personal protective equipment: glasses, gloves and respirator.

PACKAGING AND STORAGE

Reamul is supplied in barrels of capacity 208 l each. It should be stored in dry, good ventilated premises. The container should be kept closed. It should not be stored in close proximity to heat source, spark source or ignition source.

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