RTT1400 corrosion inhibitor

Inhibit corrosion in fluids

Applications

- Conventional oil

Features and Benefits

- High detergent formulation
  - Helps prevent under-deposit corrosion
- Good cold weather handling properties
  - Minimal pumping and storage requirements
- Affords protection in presence of trace oxygen
  - Counteracts stuffing box air leaks

The Baker Hughes **RTT1400 corrosion inhibitor** is an organic, film forming inhibitor in the form of an oil soluble liquid with good water dispersibility. It is specifically designed to inhibit corrosion in fluids that contain H_2S with or without CO_2, and up to 2 ppm of oxygen. This mixed inhibitor contains components with the complementary functions of corrosion inhibitor and detergent action. RTT1400 has been shown to be stable to 310°F (155°C).

This product is effective in sour systems that show diminished corrosion control with conventional inhibitors because small amounts of oxygen are contacting production fluids. Oxygen contamination is frequently the result of reduced pressure in the well annulus which allows air to migrate down into produced fluids. Corrosion damage usually shows up first at thread ends and other stagnant areas near the bottom of the well. Pumps and lower rods are usually the victim and corrosionis often accompanied by abnormally high amounts of solids deposition. Oxygen levels in produced fluid at the well head may be immeasurably small since corrosion consumes oxygen as it comes up the production tubing.

Application can be by either batch or continuous treatment. Your Baker Hughes representative can evaluate your system's performance, specify the appropriate treatment and equipment, and design a comprehensive application program.

Typical properties	
Specific gravity at 60°F (15.6°C)	0.887
Typical density at 60°F (15.6°C)	7.39 lbm/US gal (885.517 kg/m³)
Flash point, SFCC	109.4°F (43°C)
Pour point, ASTM D-97	-40°F (-40°C)
Viscosity, dynamic	4.35 cP
Solubility (brine)	Dispersible
Solubility (hydrocarbon)	Soluble

Materials compatibility

Suitable

Metals:	304 stainless steel, 316 stainless steel
Plastics:	HD polyethylene
Elastomers:	TEFLON®

Not suitable

Metal:	Admiralty brass, aluminum, copper, mild steel
Plastics:	HD polypropylene, PLEXIGLAS®, PVC, Polyurethane, fiberglass
Elastomers:	BUNA N (rubber), neoprene, HYPALON®, VITON®

Materials suitability is based on analysis of test results obtained under specified laboratory conditions. All materials selection should be based on actual application. Testing results for materials will be made available on request.

Safety and handling

Before handling, storage, or use, review the Safety Data Sheet (SDS) for guidance.

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