FNC 366 The Industry’s First Biodegradable Asphaltene Inhibitor

Description:

Force Chem Technologies has developed the first biodegradable asphaltene solvent and dispersant on the market to date. As an alternative to our popular ParaForce asphaltene inhibitor line, FNC 366 is a synergistic blend of environmentally-friendly products which have been formulated to remove asphaltene and wax deposits, as well as water-wet formation surfaces. Tight pads are slowly dissolved, releasing the solids which will then go to the water phase to be removed, thereby increasing the efficiency of the treating vessel. FNC 366 will also attack waxy tank sediments, redissolving the asphaltenes into the oil and dropping any scale or corrosion by-products which may be trapped by the asphaltenes.

Physical Properties:
- Density (Lbs. / Gal) ............................................................. 7.460
- Specific Gravity @ 60o F .................................................. 0.895
- Flash Point (TCC) ............................................................. > 212 degrees F
- pH .......................................................... Not App.

Solubility:
- High TDS waters ............................................................. Insoluble
- Fresh water ............................................................. Insoluble
- Isopropanol .................................................. Dispersible
- Crude Oil .................................................. Soluble

Usage:
FNC 366 Asphaltene Solvent and Dispersant may be applied either continuously, or in batching operations. Crude oil treating vessels should be treated with an initial slug of 5 to 10 gallons of FNC 366 Asphaltene Solvent and Dispersant, depending on the size of the vessel, followed by a continuous injection of 2 to 5 gallons per 100 barrels of crude oil. Once the interface has been redissolved, a maintenance rate of 120 to 240 ppm should be injected continuously upstream of the treating vessel to prevent future interfacial accumulations. To clean waxy tank bottoms, slug 1 to 2 gallons of FNC 366 per 100 barrels into the stock tank, and gently roll the fluids to increase the contact efficiency of the product with the bottom sediment. Optionally, the product may be allowed to set undisturbed on the tank bottom for a period of time to redissolve harder wax deposits.

FNC 366 Asphaltene Solvent and Dispersant may also be used in pipeline cleanup operations. Depending on the desired material to cleanup, a typical recommendation may be to pump one drum of FNC 366 ahead of a pig, followed with one drum behind. Another application may be to pump one drum of FNC 366 dispersed in 3 to 10 barrels of condensate between two pigs. FNC 366 will allow the pig to move through the line unhindered, and will not leave any surfactant residues to cause foaming problems.