



An Innovative Breakthrough in Corrosion Protection.

Superior Protection

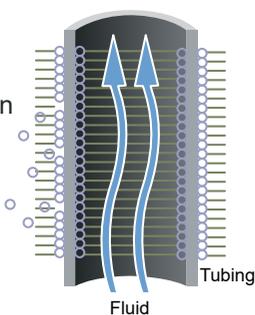
- Binary corrosion inhibitor forms a tenacious net-like microfilm barrier.
- Protects against atmospheric corrosion, oxygen, carbon dioxide (CO₂), hydrogen sulfide gas (H₂S) and organic acids
- Prolonged film persistency that becomes part of the metal's matrix.
- Functions in high-temperature conditions, up to 700°F.
- Handles high shear-rate conditions.
- Lasts up to four times as long as traditional amine inhibitors, reducing chemical and labor costs.
- Breaks down into erosion by-products having no detrimental effect on water quality.
- Proven cost reduction of 60 to 70 percent over conventional corrosion programs.
- Applications for downhole and storage tanks.

Super Performance

Traditional Corrosion Inhibitors

The polar amines' film attraction to well tubing is affected by fines and high-velocity fluids.

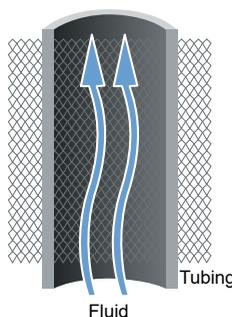
They also lose their charge and fall away.



SuperCorr® Corrosion Inhibitor

SuperCorr®'s micro-film binds with the tubing, becoming part of its matrix.

It is resistant to acids, H₂S, CO₂ and oxygen.



The SuperCorr® Solution

Jacam's SuperCorr® is a unique patented binary corrosion inhibitor designed for use in producing oil and gas wells, surface vessels and pipelines. SuperCorr® is formulated to function in sweet, sour, and aerated environments, and has micro-filming characteristics that last up to four times as long as traditional amine inhibitors. This results in reduced treatments and a significantly lower failure rate, thus providing significant cost savings. SuperCorr® functions well in dirty systems, is non-gunking and displays excellent dispersibility. SuperCorr® does not adversely affect valve functionality, such as gas lift mandrills.

Unlike conventional corrosion inhibitors, SuperCorr® adheres to the surface being treated and will subsequently and spontaneously cure under water into a tough, corrosion-resistant film. It penetrates into microscopic cracks and crevices, displacing water from them leaving a net-like micro-film barrier between the pipe and the water.



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Coupons were lowered into a field brine solution, air was introduced, and the coupons were left in this environment for seven days. Results show that the coupon treated with SuperCorr® showed no attack, while the coupon treated with conventional inhibitor showed dramatic loss of metal.

Proven Well Protection

Williston Basin wells previously treated with conventional corrosion chemicals and produced from the Red River B zone were chosen for an initial SuperCorr® field test. The wells were 8,800 feet deep with horizontal sections of 8,000 to 20,000 feet. Total fluid field production averages about 46,000 bbls of oil per day and 28,000 bbls of water per day. Iron count monitoring was used to track corrosion control for testing results. The superior performance and cost savings attributed to the SuperCorr® treatment resulted in the operator switching all of their producing wells (193) to the SuperCorr® program. The chart shows the dramatic decrease in rod failure attributed to the SuperCorr® treatment. Estimated savings for the operator of more than \$1 million in pulling costs and increased production due to less down time.

