

RECORDED BENEFITS

- Microbial counts were reduced by 99.9%
- Biofilm was eliminated
- Mild steel corrosion rates were reduced by 50%
- Annual microbiological treatment cost was reduced by 25%
- Improved workplace safety

Novel Microbiocide Improves Cooling System Cleanliness While Reducing Corrosion

Biosperse™ XD3899 Microbiocide

Customer Challenge

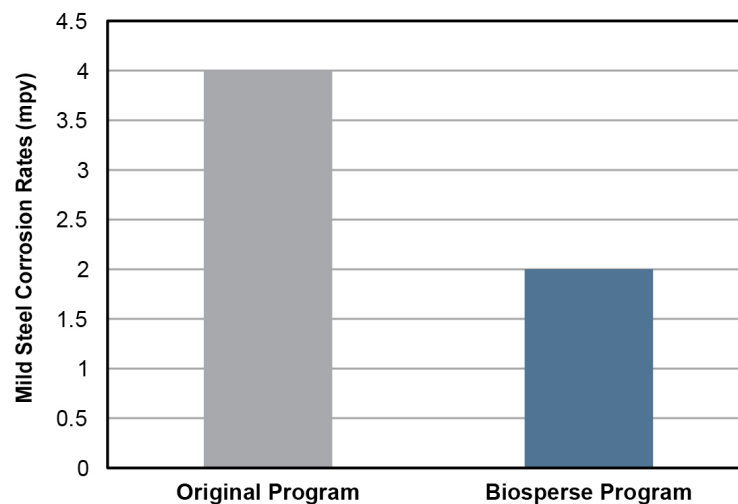
A fuel ethanol plant located in the Midwestern United States was experiencing biofilm-related problems and mild steel corrosion issues in its 125,000-gallon cooling water system. The plant manager was interested in replacing the plant's existing microbiological control program and reached out to Solenis for assistance.

Recommended Solution

In an effort to improve biofilm control and reduce corrosion rates, the plant manager agreed to evaluate Solenis' Biosperse™ XD3899 microbiocide against its existing microbiological control program, which relied on hypobromous acid and isothiazoline.

Results Achieved

Shortly after the trial startup, microbial counts were reduced by more than 99.9%, biofilm was eliminated, and mild steel corrosion rates were reduced by 50%. Since permanently converting to the Biosperse XD3899 program, the plant has reduced its annual cost for microbiological control by 25% and eliminated the safety risks associated with its prior program.



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