

TITAN₃₆₀[™] Provides Phosphate-free Boiler Treatment

Background

A silicone manufacturing plant in York, South Carolina was looking for a phosphate-free alternative treatment for its three 150 PSIG boilers, operating at 30 cycles. In addition, the previous treatment program, which utilized two products containing a mixture of phosphate, bisulfite,

and polymer, was not protecting the entire system efficiently. Specifically, the condensate lines were beginning to experience corrosion and the system's pH was difficult to control.



Solution

Given the challenge of finding an economical phosphate-free boiler treatment, this system was a perfect candidate for TITAN₃₆₀[™]. In addition, TITAN₃₆₀[™], with its superior filming amine, was expected to provide corrosion protection to the system during times of shut down.



Results

After the switch to TITAN₃₆₀[™], corrosion in the condensate lines has significantly decreased and inspection of the boiler revealed great results. Treating the system has been simplified, Not only has TITAN₃₆₀[™] kept the pH very consistent, but the chemical usage has also decreased significantly and only one pump is needed to treat all three boilers. In addition, its phosphate-free formula does not add phosphate to the wastewater effluent.

Summary

This manufacturing plant is pleased with the performance and convenience that TITAN₃₆₀[™] offers. Maintaining the program is simple, effective, and safe. With a new boiler coming online, this plant has already planned to treat that system with TITAN₃₆₀[™] as well.

