

## RECORDED BENEFITS

- Reduced vapor phase corrosion
- Reduced hypo usage
- Extended equipment life
- Reduced workplace safety hazards
- Reduced microbiological control program costs

## Papermaker Reduces Vapor Phase Corrosion and Hypo Usage

### Spectrum™ XD1878 Chlorine Stabilizer

#### Improvement Opportunity

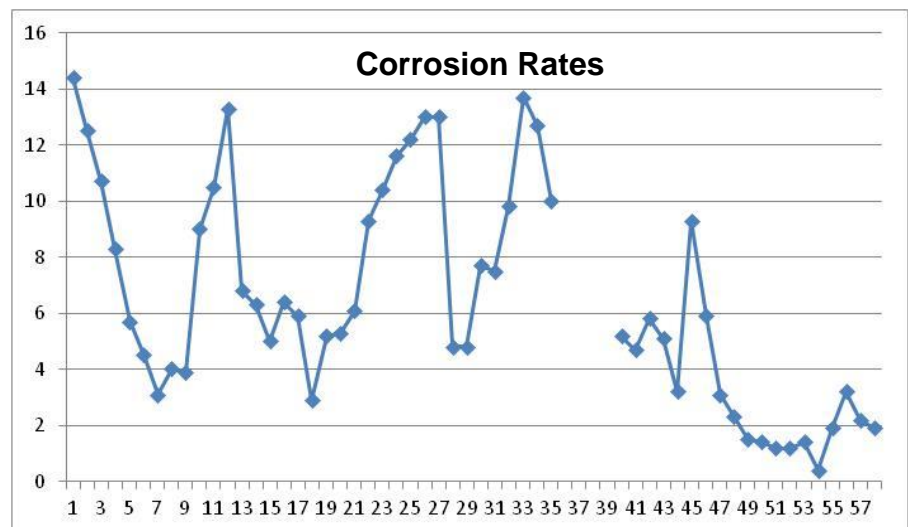
A mill in the Midwest United States was using chloramine for microbiological control. The mill was pleased with the performance of the program but had noticeable corrosion on the paper machine frame. In addition to wanting to address corrosion, the mill expressed interest in lowering the cost of its microbiological control program.

#### Recommended Solution

Solenis recommended the mill trial Spectrum XD1878 chlorine stabilizer to control biological growth on the machine as it is less corrosive than other oxidizing chemistries. Spectrum XD1878 chlorine stabilizer is currently the most cost effective and stable oxidizing chemistry in the industry and is patented and unique to Solenis.

#### Results Achieved

The Spectrum XD1878 program enabled the mill to effectively control biological growth on the machine while reducing program costs. In addition, hypo usage was reduced by 30% and corrosion rates in the vapor phase around the machine were reduced by 50%, extending equipment life.



Each data point is a 30-day vapor phase corrosion coupon on mild steel (C1010.) The coupons were hung on the aisle side of the machine frame at the wet end. Results are in mpy.

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