

## RECORDED BENEFITS

- 50% reduction of copper in boiler feedwater and improved corrosion protection
- Increased ease of feed and stability versus alternate technologies
- Extended pulp dryer coil life

## Advanced Filming Amine Reduces Copper Corrosion in Pulp Dryer

### Amercor™ CF6721 Corrosion Inhibitor

#### Improvement Opportunity

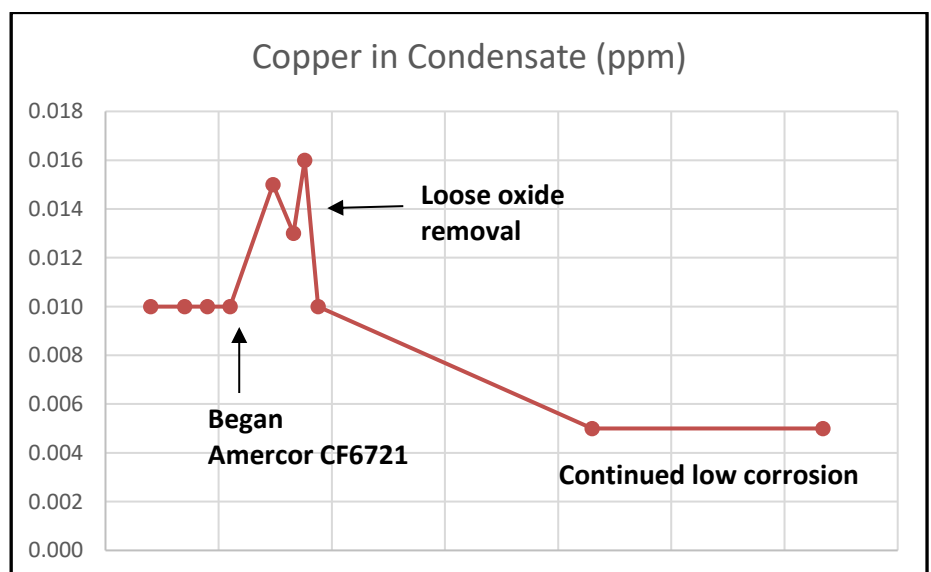
A pulp mill in the Southeast United States was experiencing unacceptable copper corrosion from a pulp dryer, as evidenced by copper in the condensate and boiler feedwater. The previous condensate treatment to the pulp dryer proved to be difficult to feed and the resulting inconsistent treatment resulted in higher than desired copper in the condensate, especially during start-up from outages.

#### Recommended Solution

Solenis' Amercor CF6721, which utilizes new filming technology combined with ease of feed, replaced the previous treatment. Feed reliability is exceptional and is due to the low viscosity and stability of the product. A proprietary analytical test, which is not available for most other types of filming amines, is used to verify product feed.

#### Results Achieved

After initiating feed, the iron and copper temporarily increased as expected due to the superior ability of the amine to tightly adhere to heat exchange surfaces. This loosens existing metal oxides and assists in forming a new and denser protective oxide layer. After a short time, the copper levels were reduced to half of what had been previously achieved. Feed of the Amercor CF6721 resulted in iron and copper levels in condensate well below industry standards.



All statements, information and data presented herein are believed to be accurate and reliable, but are not to be taken as a guarantee, an express warranty, or an implied warranty of merchantability or fitness for a particular purpose, or representation, express or implied, for which Solenis and its affiliates and subsidiaries assume legal responsibility. ™Trademark, Solenis or its subsidiaries, protected in various countries. \*Trademark owned by a third party. ©2019 Solenis.