

Fire Tube Corrosion Issue Resolved with SuperCoat™ Corrosion Inhibitor Application

Technical:

SuperCoat™ is a unique patented, binary corrosion inhibitor designed for use in storage vessels and fire tubes in sweet and/or sour environments. The film becomes a part of the surface and flexes with the changes in temperature unlike standard epoxy coatings. Its film forms a superior bond to the metals surface and minimizes hot spots.



Challenge

- Customer was seeking cost effective product to treat severe corrosion issues on fire tubes.
- Tube failures were occurring on average every 6-9 weeks.
- Reduction of downtime resulting in lost production and labor costs to take vessel out of service for repair.

Solution

- SuperCoat was selected as the primary treatment after fire tube samples were analyzed in our laboratory.
- Once the fire tubes were repaired and inspected, a 2 mil film of SuperCoat was applied.
- Application of SuperCoat with dilution was performed with standard spraying equipment.

Benefit

- Since the SuperCoat application, fire tube failures have been eliminated for 26 consecutive months and still counting!
- Presently, the life of the fire tube has been extended by over 1300%.
- No additional re-applications of SuperCoat have been required.