

Stress Corrosion Cracked Filter Stripper

ID: 9647

Industry: Chemical & Petrochemical
Application: TCC-Tanks and Chemical Containment Areas
Substrate: Carbon steel
Products: Belzona 1511 (Super HT-Metal), Belzona 1593

Customer Location: Plaquemine, Louisiana
Application Date: September 2024

Problem

Charge Filter Stripper operating in excess of 200 degrees F. was suffering from Stress corrosion cracking.



Surface preparation of areas of repair, all identified cracks terminated as per system leaflet TCC-1

Application of 1511/ 9341 Reinforced system to bottom Head and extending 6" outside defect area.

Additional protection provided by application of additional 1593/9341 reinforced system.

Completion of 1593/9341 reinforced system.

Application Situation

Customer was shut down due to the cracks and leaking of Filter Stripper. Repairs were made per attached, and unit was ready for service within 24hrs.

Application Method

TCC-1 procedure was used to address all identified cracks. Surface preparation was carried out using grinder and final profile achieved utilizing MBX surface profiling tool. Upon completion of application the unit was force/postcured as per Product manufactures recommendations in order to return to service requirements within 24 hrs.

Belzona Facts

Belzona was the preferred repair of choice due to reduced down time and the ability to return unit back to service within 24hrs.

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ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

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