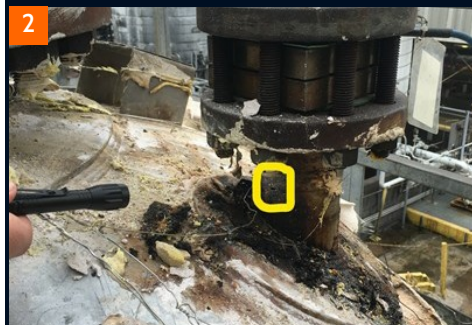


A SMALL HOLE CAN CAUSE BIG PROBLEMS, BUT BELZONA PROVIDED THE SOLUTION

ID: 8505



PROBLEM

The hole was below the fill line in the carbon steel vessel that was operating at 7-10 PSI with a designed temperature range between 120-140C. The customer needed an immediate solution on a Saturday and within 7 hours of the call a Belzona crew was onsite to repair the nozzle. Plant maintenance had placed a hose clamp with rubber patch over the hole and this was included as a defect in the final repair design.

APPLICATION SITUATION

A hole in a weld developed due to Corrosion Under Insulation on nozzle of an Acrylic Acetate vessel. The plant needed a solution to get them 3-4 months of service until a turnaround without losing any production time.

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet VPF-11. The repair area was prepared using spark free vapor blast and tools to clean and roughen the substrate to a near white SSPC SP10 finish. The repair was done in-situ while the vessel was still in operation. Belzona 1511 was used to build up around the hose clamp to achieve a smooth surface for final repair. Belzona 1392 with a reinforcing cloth was then used to wrap the entire nozzle and onto the vessel body with a final coat of 1392 over the entire repair.

BELZONA FACTS

With a quick response and a fast quality repair Belzona saved the plant from an unplanned outage and hours if not days of down time compared to a conventional nozzle replacement.

INDUSTRY

Chemical & Petrochemical

LOCATION

Petrochemical Plant - Southeast Texas

APPLICATION DATE

05/23/2021

PRODUCTS

Belzona 1511 (Super HT-Metal)
Belzona 1392 (Ceramic HT2)

SUBSTRATE

Carbon Steel

PHOTOS

- 1 - Vessel location
- 2 - Through wall on Weld
- 3 - Finished Job #1
- 4 - Finished Job #2

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured
under an ISO 9001 Registered
Quality Management System.

www.belzona.com

