

Belzona 1212 Repairs Live Transformer Oil Leak

ID: 6412

Industry:
Application: TCC-Tanks and Chemical Containment Areas
Substrate: Carbon Steel
Products: * Belzona 1212 ,

Customer Location: Chemical Plant, Tennessee, USA
Application Date: January 2016

Problem

Transformer cooling fin was dripping oil onto the ground creating an environmental hazard. Customer needed a way to stop the leak without draining the transformer and welding it which would have required at least a whole day of downtime for the entire plant.



Photograph Descriptions

- * Transformer leaking. ,
- * Old coating and paint removed to expose the leak. ,
- * Application in process (note small bubble where the pressure was pushing through, this was resolved as the 1212 started to solidify). ,
- * The leak stopped and two additional corroded areas reinforced to prevent future leaks ,

Application Situation

Transformer cooling fin.

Application Method

The application was carried out in accordance with Belzona Know-how System Leaflet TCC-1. Peeling paint was removed and other corrosion was removed using a wire brush and an emery cloth. Belzona 1212 was applied in a thin coat and continually pressed back into place as the oil pressure pushed through. Due to the cold temperatures (slightly above 40 F) it took approximately two hours to complete the repair but as Belzona 1212 solidified the leak was slowed and stopped. A second layer of Belzona 1212 was applied where the leak had been. Two other areas where leaks could soon develop were coated with a thick layer of Belzona 1212 too as a preventative measure.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

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

Belzona products are
manufactured under an ISO
9000 Registered Quality
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Belzona Facts

Shutting down the plant to drain the transformer and weld was not an option and even if that was possible, would have been far more expensive than the Belzona repair. The Belzona solution allowed the plant to continue operating while stopping the leak at a cost of less than \$145. After nearly a year of service the customer recently reported that the repair has held up perfectly.

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