

BELZONA 1212 REPAIRS CRACKED TRANSFORMER FIN

ID: 5571

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

Customer Location: Electricity Substation, Washington, USA
Application Date: March 2015

Problem

There was a crack on the top edge of the oil filled transformer radiator fin.



Photograph Descriptions

- * Crack with oil present. ,
- * Applying Belzona 1212. ,
- * Finishing application. ,
- * Completed application. ,

Application Situation

Oil filled substation transformer radiator fin.

Application Method

The application was carried out in accordance with a modified Belzona Know-How System Leaflet TCC-1. The paint was removed and the area was prepped with coarse emery cloth. Belzona 1212 was mixed per IFU guidelines and applied with a spatula, firmly pressing down to fill the crack and ensure maximum contact with the surface.

Belzona Facts

The first repair attempt to weld the crack actually developed a new crack next to the weld. This was an active leak, resulting in oil and nitrogen escaping from the transformer. With welding, the problem was only getting worse. The other option would have been to continue welding and possibly needing to drain the oil from the tank, removing the transformer from service for an extensive amount of time. Belzona 1212 allowed for a quick prep and a quick application with a fast cure time. Approximately 1/4 of a unit

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
Management System.

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was used for this repair. After discovering the benefits of Belzona, other opportunities where Belzona can be beneficial to their maintenance program are being explored.

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