

BELZONA REPAIRS HAZARDOUS OIL LEAK

ID: 4828



PROBLEM

The two bushings were leaking oil. The leaks were coming from cracks in four steel support struts. These cracks were leaking oil and creating an environmental hazard.

APPLICATION SITUATION

Two 19 inch diameter bushings on a transformer.

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflets VPF-8 & VPF-11. The leaks were first stemmed using Belzona 1291. Pre blasted plates were then bonded into place around the struts, the purpose of these plates was to both seal the leaks and to give the structure back some strength so the cracks in the steel would not propagate. Belzona 5831 was applied to give overall corrosion protection to the repaired areas.

BELZONA FACTS

Replacement of the bushing would have been highly time-consuming as well as extremely costly, running into tens of thousands of pounds. The Belzona method was carried out from an access tower over the course of two days, saving the client time and money.

INDUSTRY

Power

LOCATION

Power Station, Glasgow, UK

APPLICATION DATE

September 2013

PRODUCTS

Belzona 1291 (ES-Metal)
Belzona 1161 (Super UW-Metal)
Belzona 5831 (ST-Barrier)

SUBSTRATE

Mild steel

PHOTOS

1. View of one of the cracked struts
2. Bushing before application commenced
3. Completed application with plates bond in place
4. General view of the transformer after completing the repairs

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