

BELZONA REPAIRS OIL LEAKS ON WIND FARM TRANSFORMER

ID: 7535



PROBLEM

The transformer was leaking oil and required a fix which could be carried out within a short outage (5 days).

APPLICATION SITUATION

Transformer for a wind farm was leaking oil through the main flange and flange bolt holes. Approximately 120 bolts were leaking.

APPLICATION METHOD

Application was carried out in accordance with a modified version of Belzona Know-How System Leaflet GSS-8. Stainless steel caps were fabricated to fit over the bolt heads and the nuts. The gap in between the transformer body and the top cover was filled with Belzona 1161. The caps were filled with Belzona 1161 and clamped onto the bolt heads and nuts. The repair was coated with Belzona 5811

BELZONA FACTS

The alternative to the Belzona repair was a cover lift of the transformer and fitting a new gasket. This would have taken several weeks and would have come at a much higher cost. The Belzona solution was completed in 5 days.

INDUSTRY

Power

LOCATION

Ireland

APPLICATION DATE

September 2017

PRODUCTS

Belzona 1161 (Super UW-Metal)
Belzona 5811 (Immersion Grade)

SUBSTRATE

Mild Steel

PHOTOS

1. General view of the transformer
2. Leaking oil on the flange
3. Flange face filled with Belzona 1161 and caps installed
4. Completed section

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

