

# BELZONA REPAIRS OIL LEAKS ON WIND FARM TRANSFORMER

ID: 7535

Industry: Power  
Application: GSS-Gaskets, Seals and Shims  
Substrate: Mild Steel  
Products: \* Belzona 1161 (Super UW-Metal) ,  
\* Belzona 5811 (Immersion Grade) ,

Customer Location: Ireland  
Application Date: September 2017

## Problem

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



## Photograph Descriptions

- \* 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 ,

## 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.

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.

[www.belzona.com](http://www.belzona.com)

  
**BELZONA**<sup>®</sup>  
Repair • Protect • Improve