

# Belzona Repair System Secures Leaks on Three Turret Flange Bases

ID: 9837

Industry: Power  
Application: VPF-Valves, Pipes and Fittings  
Substrate: Stainless-steel  
Products: Belzona 1161 (Super UW-Metal), Belzona 5831 (ST-Barrier)

Customer Location: Kent  
Application Date: June 2025

## Problem

Client identified further leaks to a transformer which had previously had repairs carried out to other areas.



Leaking seals on the transformer were identified



Belzona 1161 was applied to the joint/gasket areas, as well as to the nuts and bolt heads



a final coat of Belzona 5831 encapsulates the joint/gasket areas



Transformer joints are sealed and customer can use the vital asset with confidence.

## Application Situation

As a result, The UK Distributor was requested to implement the leak sealing system, with the objective of reducing or eliminating oil leaks to ensure the equipment can continue to operate as designed.

## Application Method

The identified areas were degreased, followed by surface preparation using 110V power tools, including grinders fitted with flap wheels and specialist rotating wire wheels.

Belzona 1161 was applied to the joint/gasket areas, as well as to the nuts and bolt heads, incorporating Belzona Reinforcement Sheet where possible. In addition, caps filled with Belzona 1161 was placed over the bolt and nut heads, which remained in place during curing.

To complete the system, the entire repair area will receive a final coat of Belzona 5831 LT, fully encapsulating the repair.

## Belzona Facts

Transformer oil is very expensive and environmentally detrimental. Additionally, if levels of oil drop significantly it can be catastrophic for the vital piece of equipment. The Belzona solution ensured that all leaks were sealed, and the customer could continue to use the asset with confidence.

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

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