

# BELZONA SEALS TRANSFORMER LID FLANGE

ID: 3091

Industry: Power  
Application: VPF-Valves, Pipes and Fittings  
Substrate: Carbon Steel  
Products: \* Belzona® 1291 (ES Metal) ,  
\* Belzona® 1221 (Super E Metal) ,  
\* Belzona® 1161 (Super UW Metal) ,  
\* Belzona® 5831 (ST Barrier) ,

Customer Location: Gas Distributor, UK  
Application Date: 2011

## Problem

Most of the gasket had failed around the 10m perimeter of the lid, with oil seeping down the sides and going to ground. Unfortunately it was not possible to drain the oil below the gasket level and so the application had to be pursued as a live leak with a 1m head pressure.



## Photograph Descriptions

- \* Original condition of flange with header tank at rear ,
- \* Encapsulation of bolts with Belzona® 1161 ,
- \* Completed repair close up ,
- \* Finished work after 3 days ,

## Application Situation

Lid gasket flange on this 66-11Kv transformer.

## Application Method

Application was carried out using Belzona Know-How System Leaflet VPF-11 as a guide. Area of flange and bolts were pressure cleaned and grit blasted. Live leaks stemmed with Belzona® 1291 and Belzona® 1221. Bolt heads top and bottom were encapsulated with Belzona® 1161. Belzona® 1161 and Belzona® 9341 used to create a reinforced band around the flange. Finally over coated with Belzona® 5831.

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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## Belzona Facts

The customer was desperate for a fast solution to the problem and whilst there were a couple of very minor leaks still on completion, these were deemed to be well within acceptable limits. The customer was delighted with the results and is looking to repeat the application to other transformers on their site.

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