

# BELZONA SEALS OIL LEAKS ON TRANSFORMER BUSHINGS

ID: 4310

**Industry:** Power  
**Application:** VPF-Valves, Pipes and Fittings  
**Substrate:** Ceramic & Metal  
**Products:** \* Belzona 1161 (Super UW Metal) ,

**Customer Location:** Gas-Fired Power Plant - Toronto, Canada  
**Application Date:** June 2012

## Problem

*It was noted that a small oil leak was present at the bushing. No oil should leak from this bushing. The heavy electrical cables were not supported adequately.*



## Photograph Descriptions

- \* Transformer bushings ,
- \* Ceramic insulator after abrading with Dremel and cleaning ,
- \* Ceramic insulator and bushing masked off ,
- \* Application completed ,

## Application Situation

During the summer outage, the maintenance crew noted that some oil was present in the sump pit beneath the transformers.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet VPF-11. The ceramic insulator was roughened with a Dremel before applying the Belzona 1161 by brush to seal the oil leaks.

## Belzona Facts

The conventional alternative would have been to drain the transformers, replace the ceramic insulators including the bushings. It would have taken at least 2 days to complete this project. The application of Belzona 1161 as described only took 3 hours per transformer. Two transformers were completed within the same shutdown.

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

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