

# Oil leak in transformer sealed at major power distribution facility

ID: 9690

Industry: Power

Customer Location: Kingston, Ontario

Application: MPT-Mechanical Power Transmission

Application Date: November 2024

Substrate: Carbon steel

Products: Belzona 1161 (Super UW-Metal), Belzona 4141 (Magma-Build), Belzona 5831LT

## Problem

Customer had a leak in one of their oil transformer units. They could not replace the flange without emptying the oil in the transformer which would take more time and money.



Surface preparation of the area.



Sealing the leak with Belzona 1161



Rebuilding the entire area with Belzona 4141



After application of Belzona 5831LT

## Application Situation

The customer had two units in this location that they use to power the western side of the city. They could not have this transformer unit grounded and off for long in case any problems arose with the other unit. Time was the essence for this repair.

## Application Method

The oil was lowered a bit and then the surface was degreased as good as possible and abraded to create a rough surface. Belzona 1161 was mixed and applied around the bolts and the flange. Then Belzona 5831LT was applied to seal the entire surface. However, the next morning the customer applied pressure to the system, and they saw a few areas that needed to be reinforced. We decided to pack the whole area with 4141 and then apply 5831LT to encapsulate everything. The system was tested again, and no leaks were found.

## Belzona Facts

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ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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Repair • Protect • Improve

The customer has used Belzona multiple times for such repairs. They are very pleased with not only the performance of our products, but also the support we offer them onsite training their staff and making sure they are comfortable applying our products. We followed up on the repair one month later and the system is operating without leaks

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