

BELZONA SEALS OIL LEAKS ON TRANSFORMER BUSHINGS

ID: 4310



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.

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.

INDUSTRY

Power

LOCATION

Gas-Fired Power Plant - Toronto, Canada

APPLICATION DATE

June 2012

PRODUCTS

Belzona 1161 (Super UW Metal)

SUBSTRATE

Ceramic & Metal

PHOTOS

1. Transformer bushings
2. Ceramic insulator after abrading with Dremel and cleaning
3. Ceramic insulator and bushing masked off
4. Application completed

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