

BELZONA SEALS OIL LEAK FROM TRANSFORMER CABLE GLAND

ID: 1642



PROBLEM

Due to movement and vibration from the transformer, the lead seal to the cable gland on the blue phase of the 11kV distribution cable had cracked. The cables are oil cooled and oil was leaking through the gland. This had been leaking for many years but due to increased pressure from the Environment Agency on electricity distribution companies to reduce the amount of oil leaked to ground, the Company approached Belzona for assistance.

APPLICATION SITUATION

33kV/11kV Transformer Cable Gland

APPLICATION METHOD

Application was carried out in accordance with Belzona Know How System Leaflet VPF-11a. Belzona® 1291 used to stem live leak before over-sealing with Belzona® 1161 to create long term oil tight seal.

BELZONA FACTS

The Application formed part of a training session to the Company. After years of oil leaking from the gland, Belzona application stopped the oil leak and without the need for hot works or lengthy shut down. Due to time restraints, the transformer had to be switched into service preventing smooth finishing of the repair.

INDUSTRY

Buildings & Structures

LOCATION

International Power Company, UK

APPLICATION DATE

September 2010

PRODUCTS

Belzona 1291 (ES Metal)

Belzona 1161 (Super UW Metal)

SUBSTRATE

Lead and steel wire

PHOTOS

1. Leaking cable gland, previous attempts to stop leak had failed.
2. Substrate cleaned and prepared making the cracked gland clearly visible.
3. Leak stopped using Belzona 1291 and Tourniquet
4. Gland wrapped using Belzona 1161.

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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