BELZONA SEALS LEAKING CABLE END BUSHINGS

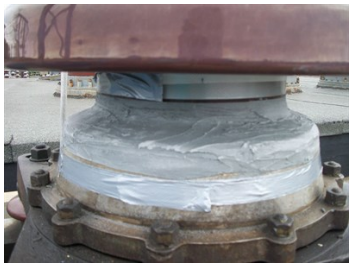
ID: 3945

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

Customer Location: *Electricity Substation, UK.*
Application Date: *June 2012*

Problem

The red phase bushing was leaking oil and the uncontrolled release required sealing. The equipment is aged and the porcelain shed appeared to be fragile and brittle. The Client opted for competitively priced repair as opposed to high cost replacement with a view to extending the asset life.

Photograph Descriptions

* Original bushing condition ,
* Repair area after applying Belzona® 1291, Belzona® 1221 & Belzona® 1161 ,
* Final coating with Belzona® 5831 ,
* Completed application ,

Application Situation

Cement Joint between porcelain and steel flange disintegrtaed on three bushings - red, yellow and blue phases.

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet VPF-11. After cleaning sand abrading tjhe substrate, Belzona® 1291 & Belzona® 1221 to stem leak between porcelain and steel joint before applying Belzona® 1161 including Reinforcement Tape. Finally Belzona® 5831 was applied to entire repair area.

Belzona Facts

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® Repair • Protect • Improve

The Client has deemed this applicationa trial and upon success, wish to proceed with many other bushing repairs which remain unchecked throughout the Network. No other alternatives were deemed to provide a solution offering longevity and extend the asset life. The Belzona cost comparison to replacing with new was exceptionally competitive. The repair was undertaken without removal of oil and remained under pressure during the application.