

BELZONA SEALS LEAKING CABLE END BUSHINGS

ID: 3945



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.

APPLICATION SITUATION

Cement Joint between porcelain and steel flange disintegrated 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 and abrading the 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

The Client has deemed this application a 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.

INDUSTRY

Power

LOCATION

Electricity Substation, UK.

APPLICATION DATE

June 2012

PRODUCTS

Belzona 1291 (ES Metal)
Belzona 1221 (Super E Metal)
Belzona 1161 (Super UW Metal)
Belzona 5831 (ST Barrier)

SUBSTRATE

Porcelain & Mild Steel

PHOTOS

1. Original bushing condition
2. Repair area after applying Belzona 1291, Belzona 1221 & Belzona 1161
3. Final coating with Belzona 5831
4. Completed application

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

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

www.belzona.com

