

# BELZONA SEALS SF6 LEAKS ON GAS CHARGED CIRCUIT BREAKER

ID: 1488

Industry: *Power*  
Application: *ENC-Engines and Casings*  
Substrate: *Aluminium and porcelain*  
Products: *\* Belzona® 2311 (SR Elastomer) ,*

Customer Location: *Power Company, UK*  
Application Date: *2007*

## Problem

*SF6 gas leaking through porcelain bushing seals*



## Photograph Descriptions

- \* General view of the repair area (Top and Bottom) ,
- \* Top bushing sealed ,
- \* bottom bushing sealed ,

## Application Situation

Gas charged circuit breakers in sub station

## Application Method

Application was carried out in accordance with a modified Belzona Know-How System Leaflet ENC-10. Following surface preparation to profile the metal and remove the glaze from the porcelain Belzona® 2311 was used to create an elastomeric seal.

## Belzona Facts

Cost of replacing two new bushings was £10,000. The Belzona repair cost £300.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

[www.belzona.com](http://www.belzona.com)

  
**BELZONA**  
Repair • Protect • Improve