

NOZZLE STABILISATION AT ONSHORE GAS PLANT

ID: 458

Industry: Oil & Gas

Customer Location: Gas Processing Plant - UK

Application: VPF-Valves, Pipes and Fittings

Application Date: July 2003

Substrate: Steel.

Products: * Belzona® 1111 (Super Metal) ,
* Belzona® 1391 (Ceramic HT Metal) ,
* Belzona® 5111 (Ceramic Cladding) ,
* Belzona® 6111 (Liquid Anode) ,

Problem

Under insulation corrosion had caused severe wastage of the neck of five nozzles on this gas stabilisation tower. As the vessel is manufactured to a strict code, any welding would have required extensive subsequent heat treatment.



Photograph Descriptions

- * Gas stabilisation tower being sheeted ready for grit-blasting ,
- * CUI Corrosion damage to the neck of the nozzle ,
- * Completed application following injection of Belzona® 1391 and application of Belzona® 5111/6111 ,

Application Situation

Corroded 2.5" nozzles on gas stabilisation vessel.

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets VPF-11a and TCC-5.

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

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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Belzona Facts

A doubler assembly was manufactured from a curved plate and oversize pipe. This was then cut to allow easy assembly. The plate was then sealed and injected with Belzona® 1391 to act as an adhesive. Once completed the whole assembly was protected from further corrosion by application of Belzona® 5111 and Belzona® 6111. Application reported OK in February 2008 and many other similar applications carried out for the client.

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