

BELZONA REFURBISHMENT OF FLASH VESSELS USING INJECTION TECHNIQUES

ID: 107

Industry: General Industry

Customer Location: Nickel-Cobalt Refinery, Western Australia

Application: GSS-Gaskets, Seals and Shims

Application Date: 1999

Substrate: Carbon Steel and Titanium

Products: * Belzona® 1391 ,

Problem

Vessel has a titanium insert in domed base and is also refractory brick lined. A void 1-20mm beneath insert allowed it to crack at start-up.



Photograph Descriptions

- * General View of two flash vessels on Train 2 ,
- * Work underway from inside ,
- * Injection holes being drilled & tapped prior to injection from outside vessel ,

Application Situation

Carbon steel flash vessels operating at 250°C and 20 bar pressure.

Application Method

Application was carried out in accordance with Belzona System Leaflet GSS-9.

Belzona Facts

Alternative to these Belzona applications was replacement with new Titanium vessels at a cost of nearly \$1 million. Belzona solution less than 1/10th the cost and completed to tight deadlines.

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

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manufactured under an ISO
9000 Registered Quality
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