

BELZONA REFURBISHMENT OF FLASH VESSELS USING INJECTION TECHNIQUES

ID: 107



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.

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.

INDUSTRY

General Industry

LOCATION

Nickel-Cobalt Refinery, Western Australia

APPLICATION DATE

1999

PRODUCTS

Belzona 1391

SUBSTRATE

Carbon Steel and Titanium

PHOTOS

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

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

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