

BELZONA ROTARY WATER STRAINER WHEEL

ID: 30

Industry: Oil & Gas
Application: SOS-Ships and Offshore Structures

Customer Location: Oil Refinery Power Station in Trinidad
Application Date: December 1992

Substrate: Cast iron
Products: * Belzona® 1311 (Ceramic R-Metal) ,
* Belzona® 1321 (Ceramic S-Metal) ,
* Belzona® 1341 (Supermetalgilde) ,

Problem

Extensive erosion/corrosion to the strainer wheel assembly which is in salt water service



Photograph Descriptions

- * The wheel, note the extensive erosion/corrosion ,
- * Application of Belzona® 1311 (Ceramic R-Metal) in progress ,
- * Finished application with the gear assembly in place ,

Application Situation

Rotary water strainer wheel

Application Method

Application was carried out in accordance with a modified version of Belzona Know-How Leaflets SOS-1 and SOS-2.

Belzona Facts

Belzona® 1341 (Supermetalgilde) was used to hold the blast, and formers were used to rebuild the vanes. The entire wheel was rebuilt with Belzona® 1311 (Ceramic R-Metal) and overcoated with Belzona® 1321 (Ceramic S-Metal). The application saved the operation of the plant since a replacement wheel was no longer available.

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.

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