

BELZONA ROTARY WATER STRAINER WHEEL

ID: 30



PROBLEM

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

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.

INDUSTRY

Oil & Gas

LOCATION

Oil Refinery Power Station in Trinidad

APPLICATION DATE

December 1992

PRODUCTS

Belzona 1311 (Ceramic R-Metal)
Belzona 1321 (Ceramic S-Metal)
Belzona 1341 (Supermetalgilde)

SUBSTRATE

Cast iron

PHOTOS

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

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