

## BELZONA ROTARY WATER STRAINER WHEEL

### CUSTOMER

Oil Refinery Power Station in Trinidad

### APPLICATION DATE

December 1992

### APPLICATION SITUATION

Rotary water strainer wheel

### PROBLEM

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

### PRODUCTS

Belzona® 1311 (Ceramic R-Metal)

Belzona® 1321 (Ceramic S-Metal)

Belzona® 1341 (Supermetalgilde)

### SUBSTRATE

Cast iron

### APPLICATION METHOD

Application was carried out in accordance with a modified version of Belzona Know-How System 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.

### PICTURES

1. The wheel, note the extensive erosion/corrosion
2. Application of Belzona® 1311 in progress
3. Finished application with the gear assembly in place



1.



2.



3.

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



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