

# Belzona Repairs Vacuum Pump

ID: 539

Industry: General Industry

Customer Location: Large Phosphate production facility -  
Egypt

Application: CEP-Centrifugal Pumps

Application Date: September 2004

Substrate: Cast Iron

Products: \* Belzona® 1311 (Ceramic R-Metal) ,  
\* Belzona® 1321 (Ceramic S-Metal) ,

## Problem

Eroded-corroded rotor and casing due to the effect of water, chemicals and limestone. The vanes of the rotor were cracked and fractured in many places.



## Photograph Descriptions

- \* The eroded-corroded rotor ,
- \* Repairs to cracks and fractures in the vanes of the rotor ,
- \* Rotor after repairing and coating. ,
- \* Casing after repairing and coating ,

## Application Situation

Vacuum pump

## Application Method

The application was carried out in accordance with Belzona® Know-How System Leaflets CEP-1 and CEP-3.

## Belzona Facts

The repair was done at a fraction of the cost of a replacement, and with the Belzona Ceramic Metal System, the rotor is protected from the erosion-corrosion cycle.

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

ISO 9001:2015  
Q 09335  
ISO 14001:2015  
EMS 509612

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

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