
BELZONA REPAIRS VACUUM PUMP

CUSTOMER

Large Phosphate production facility - Egypt

APPLICATION DATE

September 2004

APPLICATION SITUATION

Vacuum pump

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.

PRODUCTS

Belzona[®] 1311 (Ceramic R-Metal)

Belzona[®] 1321 (Ceramic S-Metal)

SUBSTRATE

Cast Iron

APPLICATION METHOD

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

PHOTOGRAPHS

1. The eroded-corroded rotor.
2. Repairs to cracks and fractures in the vanes of the rotor.
3. Rotor after repairing and coating.
4. Casing after repairing and coating.

