

BELZONA REBUILDS GRUNDFOS PUMP IMPELLER FOR THE WASTEWATER INDUSTRY

ID: 8785



PROBLEM

A Grundfos pump impeller had been severely damaged during normal service by erosion and corrosion.

APPLICATION SITUATION

Pump impeller within a Wastewater Treatment Facility.

APPLICATION METHOD

A thin sheet of metallic armament was attached to provide support and shape to the leading edge of the impeller. It was then rebuilt using Belzona 1311 and overcoated with Belzona 1812 to provide further abrasion resistance. Belzona 1321 was then applied over the whole impeller to provide not only erosion resistance but also a physical corrosion barrier. The application was carried out in accordance with Belzona System Leaflet CEP-01.

BELZONA FACTS

The Distributor took the opportunity to conduct a trial with the Customer due to them scrapping the impeller and not believing that it could be repaired. Thanks to this and several other applications Belzona has now been approved for use following successful trials.

INDUSTRY

Water / Wastewater

LOCATION

Casablanca, Morocco

APPLICATION DATE

October 2020

PRODUCTS

Belzona 1311 (Ceramic R-Metal) Belzona 1812 (Ceramic Carbide FP) Belzona 1321 (Ceramic S-Metal)

SUBSTRATE

Cast Iron

PHOTOS

1). Damaged pump impeller. 2). Pump impeller with leading edge armament. 3). Leading edge rebuilt using Belzona 1311. 4). Completed application with final coat of BZ1321.

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

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