

BELZONA REPAIRS VACUUM PUMP

ID: 5509



PROBLEM

Pump casing, impeller and end plates damaged by erosion and corrosion as a result of handling medium contaminating the water seal, leading to a rapid loss in efficiency.

APPLICATION SITUATION

Liquid ring vacuum pump.

APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflets PDP-5 and PDP-6. The profiles were restored with Belzona 1311 before coating with Belzona 1321 to provide overall erosion-corrosion protection.

BELZONA FACTS

Belzona was the first choice for the customer as a similar repair was completed by Belzona in 2000, which remained in a perfect condition following an inspection after 5 years in-service time with only insignificant colour change of the Belzona material. The client was impressed by the speedy application and long term performance of the equipment with no maintenance work required as a result of excellent protection provided by Belzona materials.

INDUSTRY

General Industry

LOCATION

Engineering Co., Svetogorsk, Russia

APPLICATION DATE

November 2008

PRODUCTS

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

SUBSTRATE

Cast iron

PHOTOS

1. Surface preparation of pump impeller
2. Repair of the damaged pump rotor in progress
3. Close up view of restored side of the pump
4. Completed repair of the pump rotor and casing

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under an ISO 9001 Registered
Quality Management System.

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