

REBUILD SURFACE AND STRUCTURAL STRENGTH OF DIFFUSER PUMP COMPONENT

ID: 9582



PROBLEM

The customer experienced significant erosion issues within the diffuser pump component and, after conducting tests, determined that the structural strength of the part needed to be reinforced.

APPLICATION SITUATION

Customer had previous experience with Belzona and they are happy with the performance of our SuperWrapII system to structurally reinforce their equipment.

APPLICATION METHOD

Belzona recommended the following solutions:

Belzona 1341 – To address erosion-corrosion issues on the internal surfaces of the pump.

Belzona 4111- To repair missing chunks of cast iron in the inside surface and fill some cracks

Belzona 4141 – To get component in uniform shape for superwrap application.

Belzona SuperWrap II (Belzona 9381, 1981, 1982) – To strengthen the structural integrity of the component.

This comprehensive approach was designed to ensure both erosion resistance and structural reinforcement of the diffuser pump.

BELZONA FACTS

The product was all in stock and we were able to complete the repair in 3 days which was beneficial for the customer already had spent a significant time of their shutdown addressing other problems.

INDUSTRY

Power

LOCATION

Etobicoke

APPLICATION DATE

September 2024

PRODUCTS

Belzona 1121 (Super XL-Metal)

Belzona SuperWrap

Belzona 4111 (Magma-Quartz)

Belzona 4141 (Magma-Build)

SUBSTRATE

Cast Iron

PHOTOS

1. Diffuser Component
2. Belzona 1341 for coating inside the surface
3. Belzona 4141 application to make a uniform shape.
4. Completed work with Belzona Superwrap II

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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