

Axial flow pump rebuild & coating

ID: 9186

Industry: General Industry
Application: CEP-Centrifugal Pumps
Substrate: Carbon steel
Products: Belzona 1111 (Super Metal), Belzona 1321 (Ceramic S-Metal)

Customer Location: Scotland
Application Date: July 2023

Problem

An axial flow pump had become damaged by erosion & corrosion in service leading to a loss in efficiency



Damaged pump body



Surface preparation



Rebuilding with Belzona 1111



Finished Belzona coating

Application Situation

A pump body & impeller required rebuilding & protection from future damage

Application Method

The components were grit blasting to SA2.5 & 75 microns. Lost metal was rebuild with Belzona 1111 (Super Metal). Two coating of Belzona 1321 (Ceramic S Metal) were then applied.

Belzona Facts

This repair & coating allowed the pump to go back into service, saving it from scrap & making it more resistant to erosion & corrosion than the original components.

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

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

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