

AXIAL FLOW PUMP REBUILD & COATING

ID: 9186



PROBLEM

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

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.

INDUSTRY

General Industry

LOCATION

Scotland

APPLICATION DATE

July 2023

PRODUCTS

Belzona 1111 (Super Metal)

Belzona 1321 (Ceramic S-Metal)

SUBSTRATE

Carbon steel

PHOTOS

1. Damaged pump body
2. Surface preparation
3. Rebuilding with Belzona 1111
4. Finished Belzona coating

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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