

BELZONA REFURBISHES DN 500 FISHFARM SEAWATER PUMPS

ID: 9264

Industry: Marine
Application: CEP-Centrifugal Pumps
Substrate: Cast Iron
Products: Belzona 1311 (Ceramic R-Metal), Belzona 1321 (Ceramic S-Metal)

Customer Location: Norway
Application Date: June 2022

Problem

Seawater pump housings was suffering from internal corrosion and local erosion after a short period in service. In order to prevent breakdown of the pumps, the customer urgently decided to rebuild and protect the internal surfaces.



Corroded pump housings



Grit blasted details



Rebuilding in progress



Coating application completed.

Application Situation

The customer wanted to extend maintenance intervals on their pumps and prevent high cost and time consuming replacements.

Application Method

1. The pump housings was internally grit blasted to SA-2,5 with a minimum surface profile of 75 microns according to ISO 1805-1
2. Corroded and worn areas was rebuilt and restored using Belzona 1311 Ceramic R-metal
3. A second grit blasting of both internals and externals to SA-2,5 with a minimum surface profile of 75 microns according to ISO 1805-1 was carried out.
4. Internal surfaces was coated with 2 layers a 375micron of Belzona 1321 Ceramic S-metal.

Belzona Facts

Extended maintenance intervals was a high cost saving factor alone for this customer. Along with a future inspection plan of the equipment the expected lifetime of these pumphouses would be extended with many years.

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

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