

Belzona 1341 refurbishes a spiral casing on a Francis turbine

ID: 9462

Industry: Power
Application: CEP-Centrifugal Pumps
Substrate: Carbon steel
Products: Belzona 1111 (Super Metal), Belzona 1341 (Supermetalglide)

Customer Location: Wales
Application Date: June 2024

Problem

As part of a planned shutdown, the Hydropower plant aimed to refurbish the spiral casing on a Francis turbine. This casing was originally lined with Belzona 1341 around 2006.



Belzona protective coating from around 2006 was due for a refurbishment

Spiral casing was grit blasted back to profile, using 2.5 tons of grit.

Belzona 1111 was used to reprofile heavily pitted areas prior to coating of Belzona 1341 (Supermetalglide)

Two coats of Belzona 1341 (Supermetalglide) was applied to Spiral casing.

Application Situation

Customer was highly satisfied with the performance of the original Belzona 1341 system and requested the same system be reapplied.

Reprofiling was conducted on heavily corroded areas using Belzona 1111 before a two-coat system of Belzona 1341 was applied.

Application Method

The project involved working in confined spaces with limited access, using 2.5 tons of grit to remove the old lining and achieve the correct profile and cleanliness.

Belzona Facts

The customer was extremely pleased with the team and their conduct on-site. The level of finish achieved exceeded expectations, and the customer plans to invite Belzona UK Distributor back for future work.

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FS 695214
ISO 14001:2015
EMS 695213

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