

BELZONA REBUILDS SPIRAL CASING OF A FRANCIS TURBINE

ID: 5471

Industry: Power

Application: PDP-Positive Displacement Pumps

Customer Location: Hydropower Plant, France

Application Date: February 2001

Substrate: Steel

Products:
* Belzona 1311 (Ceramic R-Metal) ,
* Belzona 1341 (Supermetalgilde) ,
* Belzona 5811 (Immersion Grade) ,

Problem

Corrosion, erosion and cavitation of the casing leading to vibrations and loss of efficiency.



Photograph Descriptions

- * Pump casing ,
- * After grit-blasting ,
- * Casing rebuilt with Belzona 1311 ,
- * Completed repair with Belzona 1341 and Belzona 5811 ,

Application Situation

Spiral casing of a Francis turbine.

Application Method

The casing was rebuilt with Belzona 1311 in accordance with Belzona Know-How System Leaflet PDP-6 and then protected with Belzona 1341 where the turbine fits. Then, Belzona 5811 was applied on the other parts.

Belzona Facts

The power group has recovered its full efficiency and long-term protection was provided to the casing.

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

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

www.belzona.com

BELZONA
Repair • Protect • Improve