

Belzona repairs a chassis on an air-cooling system

ID: 7894

Industry: Power
Application: FBC-Fans, Blowers and Compressors

Customer Location: France
Application Date: October 2011

Substrate: Carbon steel
Products: * Belzona 5831 (ST-Barrier),

Problem

The water circulating in this equipment was treated with CO₂ and other additives against legionella causing an important problem of corrosion.



Photograph Descriptions

- * 1- Before surface preparation ,
- * 2- After surface preparation ,
- * 3- Overview of the air-cooling equipment ,
- * 4- Final application ,

Application Situation

Chassis of a gear reducer on an air-cooling system in a nuclear power plant.

Application Method

Application was carried out in accordance with an adapted version of Belzona System Leaflet FBC-2. The substrate was first prepared with a needle gun and grit blasted. Then, one coat of Belzona 5831 was applied (600microns).

Belzona Facts

Because of the corrosion, this chassis needed to be replaced using a 700 tonne crane which is not convenient, really expensive and causes an important loss of production. Belzona products were used in-situ and provided a long-term protection thus avoiding the replacement of the chassis.

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

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