

BELZONA REPAIRS A CHASSIS ON AN AIR-COOLING SYSTEM

CUSTOMER

France

APPLICATION DATE

October 2011

APPLICATION SITUATION

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

PROBLEM

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

PRODUCTS

Belzona 5831 (ST-Barrier)

SUBSTRATE

Carbon steel

APPLICATION METHOD

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

BELZONA FACTS

Because of the corrosion, this chassis needed to be replaced using a 700 tonne crane which is not convenient, is 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.

PICTURES

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



1.



2.



3.



4.

For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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