

BELZONA REPAIRS A CHASSIS ON AN AIR-COOLING SYSTEM

ID: 7894



PROBLEM

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

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.

INDUSTRY

Power

LOCATION

France

APPLICATION DATE

October 2011

PRODUCTS

Belzona 5831 (ST-Barrier)

SUBSTRATE

Carbon steel

PHOTOS

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

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