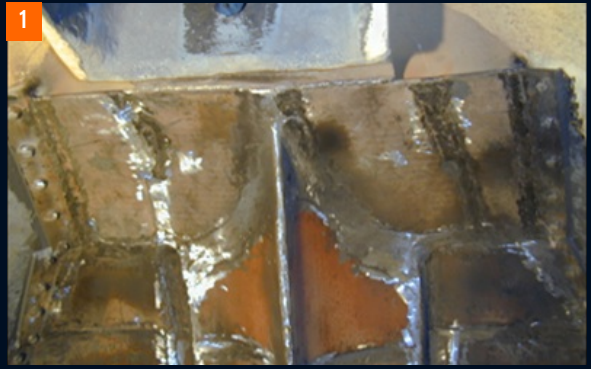


BELZONA UPGRADES WEAR PLATES ON PELTON TURBINE

ID: 714



PROBLEM

Vibration had lead to weld failure on the splash plates and the anti-wear plates needed replacing

APPLICATION SITUATION

Pelton Turbine

APPLICATION METHOD

The application was carried out in accordance with modified Belzona Know-How System Leaflets SHM-11 & GSS-9.

Belzona® 1311 used to seal around wear plates and Belzona® 5811 was injected into the cavity behind the wear plates. Belzona® 1812 then applied over the top as a sacrificial coating.

BELZONA FACTS

The Belzona® 1812 was reapplied every year and 5 years after the initial application the anti-wear plates were still in place.

INDUSTRY

Power

LOCATION

Hydroelectric Power Plant, France

APPLICATION DATE

May 2001

PRODUCTS

Belzona 1311 (Ceramic R-Metal) Belzona 5811 (Immersion Grade) Belzona 1812 (Ceramic Carbide FP)

SUBSTRATE

Steel

PHOTOS

1. Application Situation
2. Weld Failure
3. Belzona 1812 in Situation

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

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