

HYDRO TURBINE REPAIRED AND PROTECTED WITH BELZONA

ID: 5159



PROBLEM

Erosion-corrosion and cavitation of the fan blades and of the face of the hydro turbine due to pressure

APPLICATION SITUATION

Erosion-corrosion problems revealed during annual inspection

APPLICATION METHOD

The application was carried out according to Belzona Know-How System Leaflets CEP-1 and FBC-2. Belzona 1311 was used to resurface the profile and Belzona 1341 was applied to improve efficiency and protect impeller from future erosion-corrosion

BELZONA FACTS

The customer avoided replacement costs by using Belzona to repair the turbine and at the same time, reduced downtime. Belzona will protect the equipment from future erosion-corrosion.

INDUSTRY

Power

LOCATION

Power plant, Ukraine

APPLICATION DATE

January 2012

PRODUCTS

Belzona 1311 (Ceramic R-Metal)
Belzona 1341 (Supermetalgilde)

SUBSTRATE

Cast iron

PHOTOS

1. General view of the impeller Surface preparation
2. Grit blasting of the turbine
3. Geometry of fan blades repaired using Belzona 1311
4. Repaired surfaces of the hydro turbine after the application of Belzona 1311 and Belzona 1341

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

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