

BELZONA REFURBISHMENT OF FAN HUB SAVES TIME AND MONEY

ID: 1611

Industry: Buildings & Structures
Application: CEP-Centrifugal Pumps
Substrate: Steel
Products: * Belzona® 1111 (Super Metal) ,
* Belzona® 1391(Ceramic HT) ,

Customer Location: Power Plant, Turkey
Application Date: December 2010

Problem

Erosion/Corrosion following failure of previous coating. If allowed to continue could cause severe damage to the fan.



Photograph Descriptions

- * Badly corroded case especially bottom side of fan blades ,
- * Wire mesh and formers cut by CNC used to achieve correct profiles ,
- * Application of Belzona® 1111 to case with templates in place to form fan pockets ,
- * Finished application. Rebuild and protective coating applied. Checking each hole by installing fan blade ,

Application Situation

Cooling Tower Fan Blade case, diameter 1854mm, width 537mm

Application Method

application was carried out in accordance with Belzona Know-How System Leaflets FBC-4 & FBC-2.

Formers were used to achieve correct profile for blade sockets.

Belzona Facts

Belzona restored the eroded surfaces. Alternative method by welding might cause distortion and its machining process is laborious and expensive, besides thermal stress could have a negative effect on balance as fan operates at 750rpm. Belzona solution is corrosion resistant, straight forward, time and cost effective. It saved time and avoided start-up delay.

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

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

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