

BELZONA REBUILDS CAVITATED VANES

ID: 611



PROBLEM

Severe cavitation caused holes, pittings and deformation in the profile of the vanes.

APPLICATION SITUATION

Five impellers of cooling pumps

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflets CEP-3 and CEP-5.

BELZONA FACTS

Belzona rebuilt the cavitation and pitting damage in the vanes restoring the correct profile using a simple technique, saving replacement costs and also providing more resistance to future cavitation.

INDUSTRY

Power

LOCATION

Power plant, Egypt

APPLICATION DATE

April 2004

PRODUCTS

Belzona 1311 (Ceramic R-Metal)
Belzona 1321 (Ceramic S-Metal)

SUBSTRATE

Cast iron

PHOTOS

1. General view of the five impellers
2. The cavitated vanes
3. Rebuilding the vanes using Belzona 1311
4. Finished Impellers coated with Belzona 1321

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

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