

BELZONA PROTECTS DIFFUSER VANES

ID: 1011

Industry: Power
Application: CEP-Centrifugal Pumps
Substrate: Steel
Products: * Belzona® 1321 (Ceramic S Metal) ,
* Belzona® 1121 (Super XL Metal) ,

Customer Location: Irrigation District- Wyoming, USA
Application Date: January 2008

Problem

The diffuser vanes were suffering from erosion/corrosion. Previous attempts were made to protect them using coal tar epoxies with limited success.



Photograph Descriptions

- * Diffuser vanes before blasting ,
- * Diffuser vanes after blasting ,
- * Belzona® 1121 applied to smooth edges ,
- * Second coat of Belzona® 1321 applied ,

Application Situation

Small hydroelectric plant feeding off an irrigation canal.

Application Method

Application was carried out in accordance with Belzona System Leaflets CEP-3 and CEP-5. Belzona® 1121 was used to smooth out the edges of the vanes to rebuild metal loss. Belzona® 1321 was applied by stiff bristled brush to protect against further erosion/corrosion.

Belzona Facts

Alternative was to continue using coal tar epoxy applied every year and to manage the health and safety risks involved due to its make-up. Belzona was chosen for its 100% solids material and safety and increased service life.

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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