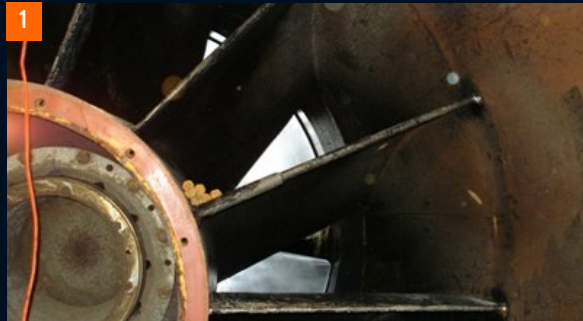


BELZONA PROTECTS DIFFUSER VANES

ID: 1011



PROBLEM

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

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.

INDUSTRY

Power

LOCATION

Irrigation District- Wyoming, USA

APPLICATION DATE

January 2008

PRODUCTS

Belzona 1321 (Ceramic S Metal)
Belzona 1121 (Super XL Metal)

SUBSTRATE

Steel

PHOTOS

1. Diffuser vanes before blasting
2. Diffuser vanes after blasting
3. Belzona 1121 applied to smooth edges
4. Second coat of Belzona 1321 applied

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.

www.belzona.com

