

BELZONA RESTORES ARCHIMEDES SCREW

ID: 259



PROBLEM

Corrosion/erosion caused the screw blades to wear down. The diameter of the angle was reduced so much that it could not lift the water.

APPLICATION SITUATION

Archimedes screw

APPLICATION METHOD

The application was carried out in accordance with a modified version of Belzona Know-How System Leaflet SHM-14.

BELZONA FACTS

The screw blade edges were worn down and the protective fiberglass liner had delaminated. After welding blade extensions all the way around, Belzona® 1321 was used to reinforce existing fiberglass liner, protecting the entire new weld.

INDUSTRY

Water / Wastewater

LOCATION

Wastewater treatment facility in a chemical plant, Florida U.S.A.

APPLICATION DATE

1998

PRODUCTS

Belzona 1321 (Ceramic S-Metal)

SUBSTRATE

Steel and fiberglass

PHOTOS

1. Damaged Archimedes screw
2. A close look of welded outskirts coated with Belzona 1321
3. Entire screw edges were coated with Belzona
4. Completed application with cosmetic coating applied

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