BELZONA RESTORES AND PROTECTS RIVER WATER PUMP

ID: 1182

Industry:	*Chemical & Petrochemical*	Customer Location:	*Petrochemical Plant, Louisiana U.S.A.*
Application:	*CEP-Centrifugal Pumps*	Application Date:	*October 2008*
Substrate:	*Cast Iron casing, Carbon Steel impeller*		
Products:	* Belzona® 1111 (Super Metal) Belzona® 1321 (Ceramic S-Metal) *		

Problem

Pump was experiencing corrosion and cavitation erosion damage. Much of the casing was suffering from pitting caused by impingement.

Photograph Descriptions

* Rebuilt and protected suction bell , * Impeller with first coat of Belzona® 1321(Grey) , * Impeller fully protected with second coat Belzona® 1321 , * Suction diffuser fully restored ,

Application Situation

Cooling water pump drawing water from the Mississippi river.

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets CEP-1, -3 and -5.

Belzona Facts

The alternative to a Belzona repair is replacement which is considerably more costly, and takes several weeks for delivery. Similar repairs had already been carried out for this customer so belzona was obvious choice as not only is time and money saved but the life and performance of the pump is extended. This application can be performed at a cost of approximately $15,000, and returned to service within one week.

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