

BELZONA PROTECTS WASTEWATER PUMP

CUSTOMER

Chemical Co, Texas

APPLICATION DATE

2007

APPLICATION SITUATION

Wastewater pump in chemical company was experiencing severe corrosion from chemical attack.

PROBLEM

Strong chemicals within the wastewater process were attacking pump components which caused pitting and degradation of the carbon steel substrate resulting in loss of performance, loss of pump efficiency and frequent pump replacement.

PRODUCTS

Belzona® 1111 (Supermetal)

Belzona® 1321 (Ceramic S Metal)

SUBSTRATE

Carbon Steel

APPLICATION METHOD

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

BELZONA FACTS

Annual replacement cost of pump was between \$15-20k. Belzona repair and coating was approximately \$1200. Two years later, the pump is exhibiting no signs of performance loss resulting in an estimated savings of \$30k.

PICTURES

1. Damaged wastewater pump head
2. Pump head rebuilt and coated
3. Damaged pump housing
4. Pump housing rebuilt and coated



1.



2.



3.



4.

For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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