

BELZONA CAVITATION RESISTANCE FOR IMPELLER

ID: 33



PROBLEM

Severe damage to the impeller caused by cavitation

APPLICATION SITUATION

40-inch impeller for cooling tower pump

APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How Leaflets CEP-1 and CEP-3.

BELZONA FACTS

The customer saved a \$45,000 replacement cost for a new impeller.

INDUSTRY

Oil & Gas

LOCATION

Oil Refinery in Mississippi

APPLICATION DATE

August 1995

PRODUCTS

Belzona 1311 (Ceramic R-Metal)
Belzona 1421

SUBSTRATE

Bronze

PHOTOS

1. Surface preparation—abrasive grit blasting in progress
2. Cavitated areas of the impeller rebuilt with Belzona 1311
3. Application of Belzona 1421 complete, impeller ready for service

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

