

REPAIR OF CAVITATION DAMAGE ON IMPELLER

ID: 8299



PROBLEM

Due to cavitation damage of seawater, impeller has pitting damages on surface and blades causing low efficiency pumping.

APPLICATION SITUATION

Impeller of Seawater Pump

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet SOS-01 and SOS-02. Application surface was prepared with SA2½ grit blasting in workshop. Surface the cleaned with Belzona 9111. Belzona 1111 was used to repair the damaged impeller surface. Belzona 1321 was applied on top of Belzona 1111 and impeller surface within overcoating window, without the need of additional surface preparation.

BELZONA FACTS

Repair cost and time with Belzona is lower than conventional repair methods. Protection with Belzona coating improves the durability of the impeller.

INDUSTRY

Fluid Flow

LOCATION

Shipyards, TURKEY

APPLICATION DATE

February 2020

PRODUCTS

Belzona 1111 (Super Metal)

Belzona 1321 (Ceramic S-Metal)

SUBSTRATE

Bronze

PHOTOS

1. Cavitation damaged surface
2. After surface preparation
3. Application of Belzona 1111
4. Application of Belzona 1321

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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