

MULTISTAGE PUMP GETS THE BELZONA TREATMENT

ID: 7751



PROBLEM

During routine maintenance some signs of mild impingement erosion and corrosion, leading a small amount of wall loss, was identified.

APPLICATION SITUATION

Multistage boiler feed water pump processes operating at high pressure and flow velocity.

APPLICATION METHOD

Application was carried out in accordance with System Leaflets CEP-05 and CEP-03.

BELZONA FACTS

The customer requested a coating to reduce overall maintenance requirements and increase time between routine shutdowns. A number of coatings were considered, but Belzona 5821 gave the best balance between cost and performance for the light erosion resistance required. Re-building was required prior to the application of the coating. Instead of conventional weld repair Belzona 1111 was selected due to ease of application (no machining required) and compatibility with the Belzona coating.

INDUSTRY

Fluid Flow

LOCATION

South Africa

APPLICATION DATE

July 2018

PRODUCTS

Belzona 1111 (Super Metal)
Belzona 5821

SUBSTRATE

Carbon Steel

PHOTOS

- 1 - Damaged Pump prior to application
- 2 - Repaired and coated casing
- 3 - Repaired and coated end cover
- 4 - Completed application ready for re-assembly

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

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