Multistage pump gets the Belzona treatment

Industry:Fluid FlowApplication:CEP-Centrifugal PumpsSubstrate:Carbon SteelProducts:* Belzona 1111 (Super Metal) ,
* Belzona 5821 ,

Customer Location: *South Africa* Application Date: *July 2018*

Problem

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



Photograph Descriptions

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

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

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ISO 9001:2015 FS 695214 ISO 14001:2015 EMS 695213 Belzona products are manufactured under an ISO 9000 Registered Quality Management System.

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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.

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