

BELZONA KEEPS THE FLOW GOING

CUSTOMER

Tire Manufacturer, Czech Republic

APPLICATION DATE

March 2015

APPLICATION SITUATION

Pumps from cooling water system

PROBLEM

Impeller vanes on water pumps had been damaged by cavitation erosion corrosion, leading to reduced efficiency.

PRODUCTS

Belzona 1111 (Super Metal)

Belzona 1341 (Supermetalgilde)

SUBSTRATE

Cast iron

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System leaflet CEP-10. Original profiles were restored with Belzona 1111 before applying two coats of Belzona 1341 to provide future erosion corrosion protection to the impellers.

BELZONA FACTS

The application of Belzona 1111 restored the original surface profile, allowing the client to avoid the expense of a total part replacement. The Belzona 1341 then added a layer of protection, preventing the recurrence of cavitation or corrosion damage and simultaneously improving flow rates thanks to the smooth surface.

PICTURES

1. The damaged impeller
2. Surface profile being restored with Belzona 1111
3. Impellers finished with Belzona 1341



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



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