

Application Focus

Erosion Corrosion: Fluid Handling Equipment

Centrifugal pumps can suffer from erosion, corrosion, cavitation and chemical attack.

If these factors are not addressed, the efficiency of the pump will deteriorate, leading to a number of costly implications including:

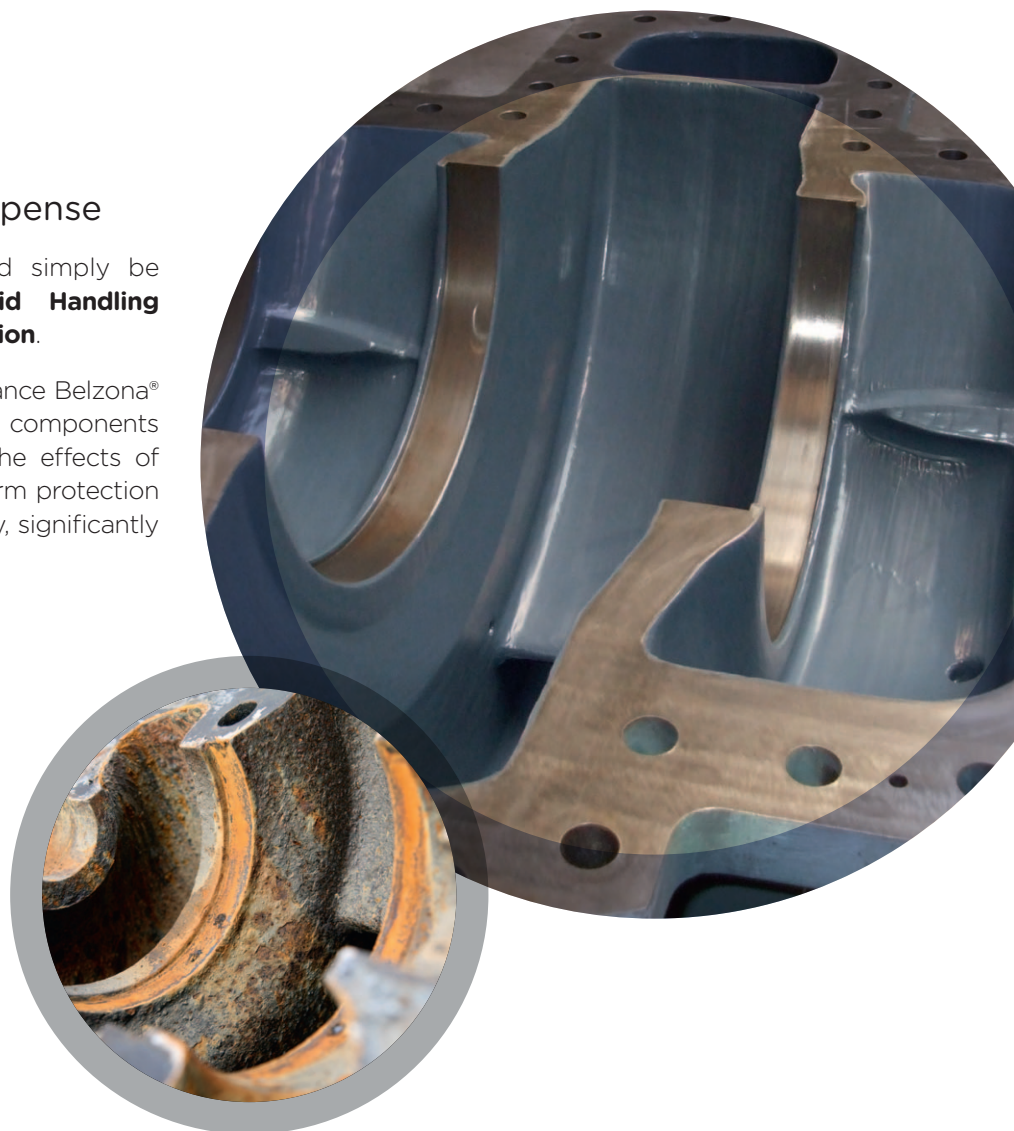
- Poor performance
- High operating costs
- Unplanned outage
- Shorter service life
- Frequent maintenance expense

These costly effects can quickly and simply be prevented using the **Belzona® Fluid Handling Equipment Repair and Protection Solution**.

By utilising a cold applied high performance Belzona® solution, fluid handling equipment and components can be repaired and protected from the effects of erosion corrosion. This results in long term protection with maintained and improved efficiency, significantly reducing operating costs.

Belzona® can provide the answer to erosion corrosion in fluid handling equipment which will:

- Improve efficiency and performance
- Increase service life
- Minimise downtime
- Reduce the need for expensive replacement costs
- Eliminate the dangers of repairs involving hot work



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Belzona® provides the solution to your repair and maintenance needs.


BELZONA®
Repair • Protect • Improve

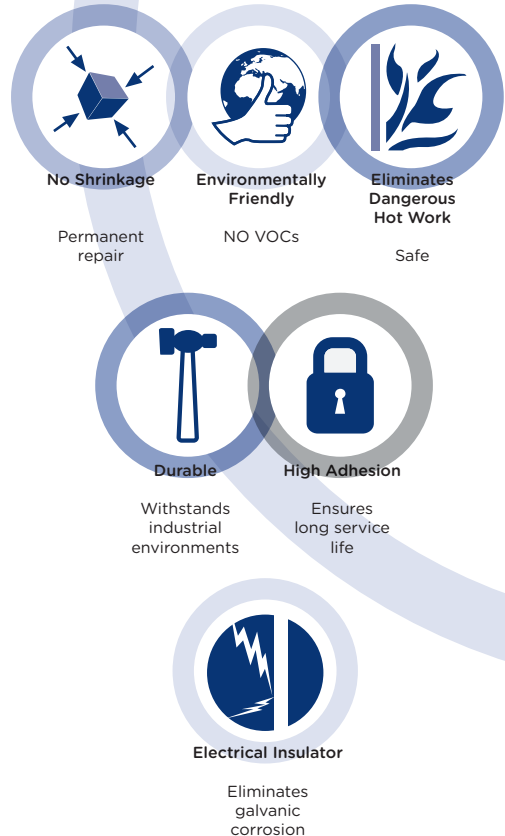
Application Case Study

“ An inspection of a cooling water pump found the impeller to be suffering from severe cavitation. The damage was so extensive that the impeller had eroded to the point of requiring complete replacement. ”

Fluid Handling Equipment Repair & Protection Solution

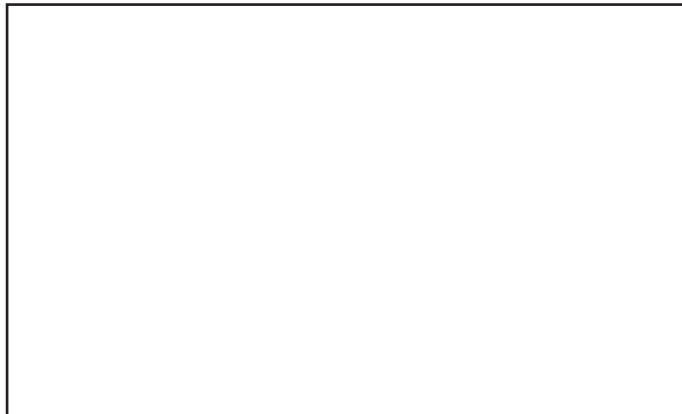
Belzona® provided a cost effective solution to repair the impeller, prevent further deterioration and reduce future cavitation. Firstly, a stainless steel mesh was used to reform the vanes. After rebuilding using a Belzona® polymer repair composite to obtain original profiles, the impeller was coated to provide further cavitation resistance.

Finally, the Belzona® solution returned the cooling water pump to service within three days, ensuring minimal downtime and disruption to the operations team. A replacement unit would have taken six days to arrive on-site with further machining required.



For further detailed information refer to:
Belzona® **Product Specification**
Belzona® **Instructions For Use**
Belzona® **KNOW-HOW** *In Action*

For more information, please contact your local Belzona® representative:



Belzona products are manufactured under an ISO 9000 Registered Quality Management System

