

# Split pump keeps it cool with Belzona

ID: 7910

Industry: Fluid Flow

Application: CEP-Centrifugal Pumps

Substrate: Carbon Steel

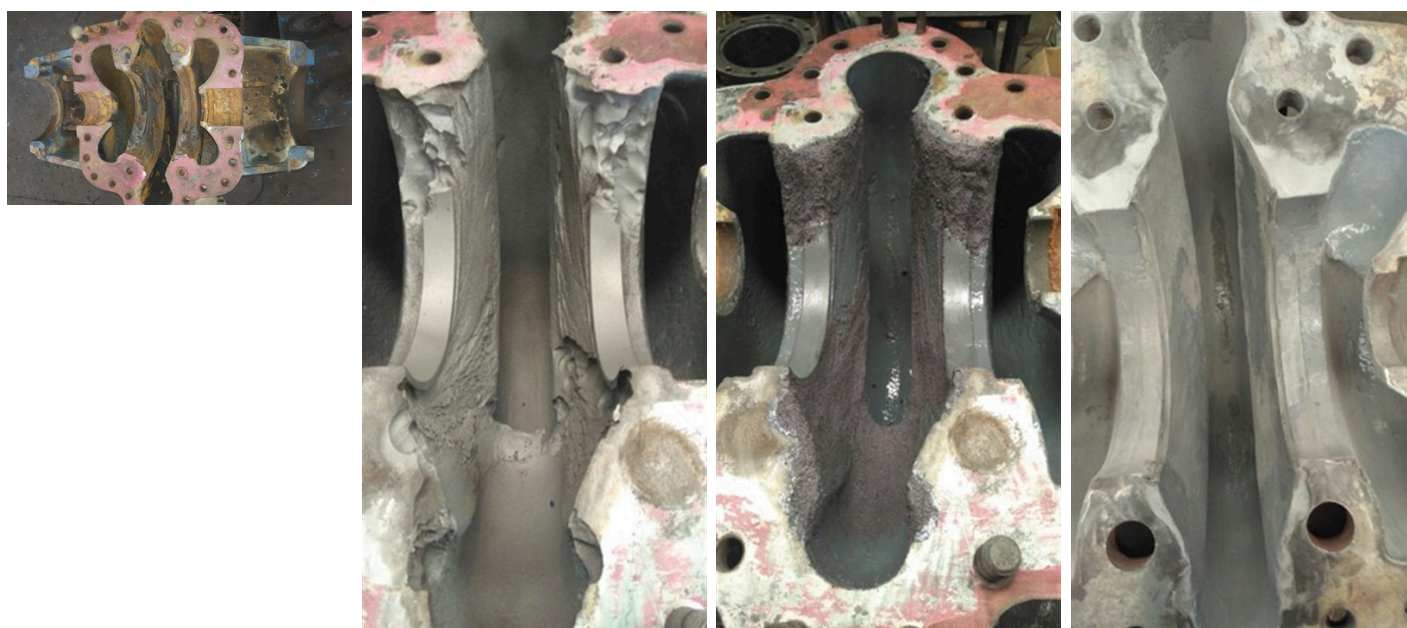
Products: \* Belzona 1311 (Ceramic R-Metal) ,  
\* Belzona 1812 (Ceramic Carbide FP) ,  
\* Belzona 1321 (Ceramic S-Metal) ,

Customer Location: Huelva - Spain

Application Date: 2017

## Problem

Heavy erosion caused by suspended particles in the fluid.



## Photograph Descriptions

- \* 1. Pump after 10 years in service (some Belzona 1321 still visible) ,
- \* 2. Wear ring seating areas rebuild with Belzona 1311 ,
- \* 3. Most severely worn areas rebuild and protected with Belzona 1812 ,
- \* 4. Remaining areas rebuild with Belzona 1311 & coated with Belzona 1321 ,

## Application Situation

10 years after Belzona 1321 was applied to the split case pump, the coating is now almost completely gone and erosion has removed some of the steel. The customer was happy with the performance of Belzona and wished to utilize Belzona materials to further extend the life of this pump.

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

ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
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## Application Method

The application was carried out in accordance with Belzona System Leaflets CEP-2, CEP-3 & CEP-5.

## Belzona Facts

While this pump is not operating the production is reduced. The cost and time for replacement made this option economically non-viable for the customer. Given their previous experience with a Belzona product on this pump, the customer was confident in the performance of the Belzona solution, which saved them considerable cost and reduced down time.

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