

BELZONA RESOLVES THE RUSTY FLANGE FACE

ID: 5481

Industry:
Application: CEP-Centrifugal Pumps
Substrate: Steel
Products: * Belzona 1341 (Supermetalgilde) ,

Customer Location: Spokane Valley, WA, USA
Application Date: October 2014

Problem

The firetruck pump sits for periods of time without being used. During this time, water sits against the flange face resulting in rust and a poor surface for the o-ring seal to sit against. This results in a lot of leaking water when the pump gets used.



Photograph Descriptions

- * Machined flange face ,
- * Opposing flange face with seal ,
- * Surface prepared with MBX Bristle Blaster ,
- * Completed application of Belzona 1341 ,

Application Situation

Flange face on a pump mounted on a firetruck.

Application Method

The application was carried out in accordance with a modified Belzona Know-How System Leaflet CEP-10. The surface was prepared with MBX Bristle Blaster. Then the first coat was brushed on as usual. The second coat was brushed on and then a 3/4" rigid plastic former was bolted against the face to form a solid, smooth, clean surface.

Belzona Facts

When this flange rusts and begins to leak, the pump has to be taken apart, the flange removed and machined, then re-assembled. This uses both man hours and resources on a regular basis. The amount of Belzona 1341 that was used here was maybe \$10.00 USD and will outlast the original method. Good small jobs lead to bigger ones down the road.

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

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