

BELZONA RESTORES LIFT STATION PUMP

ID: 5409

Industry: *Fluid Flow*
Application: *CEP-Centrifugal Pumps*
Substrate: *Cast steel*
Products: ** Belzona 1111 (Super Metal) ,*
** Belzona 1321 (Ceramic S-Metal) ,*

Customer Location: *Anacortes, WA, USA*
Application Date: *July 2013*

Problem

The suspected damaged pump was removed, disassembled and blasted to show the extent of erosion and cavitation.



Photograph Descriptions

- * Erosive wear in volute ,
- * Cavitation pockets evident ,
- * Belzona 1111 applied to fill the pockets and erosive wear ,
- * Overcoat with Belzona 1321 ,

Application Situation

The customer was experiencing noticeable vibration coupled with reduced pumping capacity.

Application Method

The application was carried out in accordance with Belzona Know-How System Leaflets CEP-3 and CEP-5. Eroded areas were rebuilt with Belzona 1111 and then coated with Belzona 1321. Both materials were applied by hand with the supplied applicators.

Belzona Facts

The pump has gone back into service without vibration problems and the pumping efficiency has been restored.

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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