

Belzona 1111 Can Rebuild Severe Pump Corrosion

ID: 9451

Industry: *Not Specified*

Customer Location: *Washington*

Application: *PDP-Positive Displacement Pumps*

Application Date: *September 2015*

Substrate: *Cast Iron*

Products: *Belzona 1111 (Super Metal)*

Problem

Heavy metal loss on the internal components of a multi-stage vertical salt water pump.



Original condition after opening the pump.



Up close view of the damage.



Belzona 1111 filling in all of the damage and correcting the profile.



A look at the other side of the piece after the Belzona 1111 application.

Application Situation

Deep pitting on the internal parts were causing poor performance with this pump.

Application Method

Grit blasting to prepare the surface according to the Belzona 1111 Instructions For Use. Then the Belzona 1111 was applied by hand using the Belzona applicator. Once cured, the application was hand sanded to the original profile and coated with two full coats of Belzona 1341N.

Belzona Facts

Replacement was not an option as this was an older pump. Replacement would involve a new model pump which would require additional work to get it to match up to the existing system. This repair was done in two days, and the pump was ready to be reassembled and put back into service. Inspection of the pump during routine maintenance three years later showed no further damage, and the pump has continued to run more efficiently than it had for several years prior.

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ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

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