Know-How*in Action*

Vol.XXVIII No.187

BELZONA RESTORES LIFT STATION PUMP

CUSTOMER
Anacortes, WA, USA

APPLICATION DATE
July 2013

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

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

PRODUCTS
Belzona 1111 (Super Metal)
Belzona 1321 (Ceramic S-Metal)

SUBSTRATE
Cast steel

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.

PICTURES
1. Erosive wear in volute
2. Cavitation pockets evident
3. Belzona 1111 applied to fill the pockets and erosive wear
4. Overcoat with Belzona 1321

1.

2.

3.

4.

ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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

UK • USA • Canada • Thailand
www.belzona.com

BELZONA®
Repair • Protect • Improve

Copyright © Belzona International Limited 2014