

# BELZONA PERFORMANCE IMPROVEMENT PROGRAM (PIP) CUTS RUNNING COSTS DRAMATICALLY

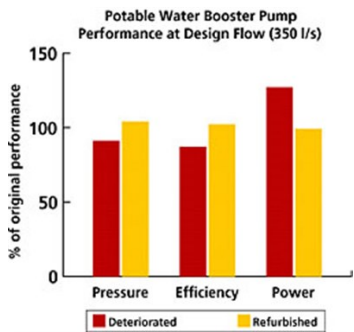
ID: 29

Industry: Water / Wastewater  
Application: CEP-Centrifugal Pumps  
Substrate: Cast iron / Bronze  
Products: \* Belzona® 1111 (Super Metal) ,  
              \* Belzona® 1341 (Supermetalglide) ,

Customer Location: Potable Water Supply Company  
Application Date: March 1995

### Problem

Reduced flow and pressure coupled with motor overheating



### Photograph Descriptions

- \* Deteriorated pump components ,
- \* Performance improvement information ,
- \* The completed application following refurbishment ,

### Application Situation

Submersible potable water booster pump

### Application Method

The application was carried out in accordance with Belzona P.I.P. computer generated engineering specification from detailed information supplied by the end user.

### Belzona Facts

The pump unit was identified for potential overhaul while still in service due to reduced output and overheating of the drive motor, a characteristic of reduced hydraulic performance. When the unit was removed and disassembled for inspection, considerable erosion had occurred on the diffuser bowls, which were also badly deteriorated from the effects of nodal growth and corrosion. By

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ISO 9001:2015  
FS 695214  
ISO 14001:2015  
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Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

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utilizing Belzona computer generated overhaul techniques specific to this pump type and its operating conditions, substantial savings in running costs - approximately \$55,000/year, coupled with sustained high levels of performance, increased output and long term protection were achieved.

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