

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

### CUSTOMER

Potable Water Supply Company

### APPLICATION DATE

March 1995

### APPLICATION SITUATION

Submersible potable water booster pump

### PROBLEM

Reduced flow and pressure coupled with motor overheating

### PRODUCTS

Belzona® 1111 (Super Metal)

Belzona® 1341 (Supermetalgilde)

### SUBSTRATE

Cast iron / Bronze

### 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

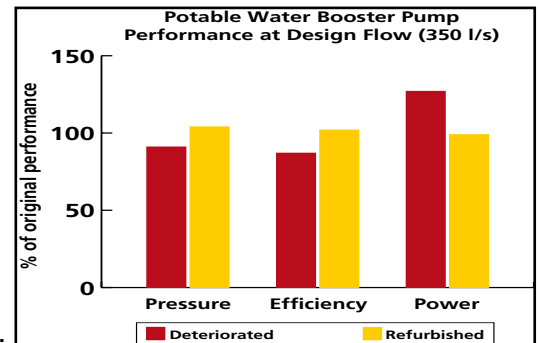
The pump unit was identified for potential overhaul while still in service due to reduced output and overheating of the drive motor, a characteristic of reduced hydraulic performance. When the unit was removed and disassembled for inspection, considerable erosion had occurred on the diffuser bowls, which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

### PICTURES

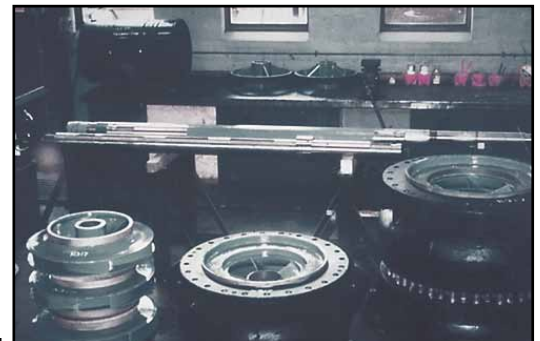
1. Deteriorated pump components
2. Performance improvement information
3. The completed application following refurbishment



1.



2.



3.

For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>