

BELZONA PERFORMANCE IMPROVEMENT PROGRAM (PIP) CUTS RUNNING COSTS DRAMATICALLY

ID: 29



PROBLEM

Reduced flow and pressure coupled with motor overheating

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 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.

INDUSTRY

Water / Wastewater

LOCATION

Potable Water Supply Company

APPLICATION DATE

March 1995

PRODUCTS

Belzona 1111 (Super Metal)
Belzona 1341 (Supermetalgilde)

SUBSTRATE

Cast iron / Bronze

PHOTOS

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

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

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