

# Belzona Repairs Cavitation Damage on Potable Water Pump.

ID: 1259

Industry: Water / Wastewater

Customer Location: Water Treatment Plant, Virginia.

Application: CEP-Centrifugal Pumps

Application Date: Jan 06 and April 08

Substrate: Cast Iron

Products: <div>Belzona® 1111 (Super Metal)</div><div>Belzona® 1221 (Super E Metal)</div><div>Belzona® 1341 (Supermetalglide)</div>

## Problem

Suction bowl badly damaged by cavitation.



## Photograph Descriptions

\* 24 inch vertical potable water Pump , \* Suction Bell shown with severe cavitation damage. Pump repaired with Super Metal , \* Pump back in shop vibration issues. Inspection shows minor damage to old repairs , \* Belzona Super E Metal used to repair minor cavitation damage. ,

## Application Situation

Vertical Pump from City Water Treatment Plant at local contractors facility for repairs.

## Application Method

January 2006: Lost metal replaced with Belzona® 1111. Strength added to casing by welding steel stiffeners to outside of casing.

April 2008: Pump back in shop for vibration. Old repairs inspected. Minor damage found. Minor damaged repaired with Belzona® 1221 and NSF approved Belzona® 1341 applied over Belzona® 1221.

## Belzona Facts

Customers alternative was replacement. Contractor estimated replacement cost to be \$10k to \$12k. Lead time of 12 weeks. The Belzona solution cost \$900.

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ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

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EMS 695213

Management System.

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