

BELZONA REPAIRS CAVITATION DAMAGE ON POTABLE WATER PUMP.

ID: 1259



PROBLEM

Suction bowl badly damaged by cavitation.

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.

INDUSTRY

Water / Wastewater

LOCATION

Water Treatment Plant, Virginia.

APPLICATION DATE

Jan 06 and April 08

PRODUCTS

Belzona 1111 (Super Metal) Belzona 1221 (Super E Metal) Belzona 1341 (Supermetalgilde)

SUBSTRATE

Cast Iron

PHOTOS

1. 24 inch vertical potable water Pump
2. Suction Bell shown with severe cavitation damage. Pump repaired with Super Metal
3. Pump back in shop vibration issues. Inspection shows minor damage to old repairs
4. Belzona Super E Metal used to repair minor cavitation damage.

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