

## BELZONA REBUILDS & PROTECTS PUMP IMPELLER

### CUSTOMER

Water Treatment Plant - UK

### APPLICATION DATE

February 2005

### APPLICATION SITUATION

Impeller from effluent sewage pump.

### PROBLEM

Impeller had moved on its shaft causing it to run against the casing. This resulted in severe abrasive wear and mechanical damage.

### PRODUCTS

Belzona® 1111 (Super-Metal)

Belzona® 1321 (Ceramic S-Metal)

### SUBSTRATE

Cast Iron

### APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflets CEP-1 and CEP-3.

### BELZONA FACTS

Previously, impellers in this condition were not considered repairable resulting in delivery lead times to source a new part as well as the associated replacement costs. The repair using Belzona meant the part could be returned to service within 48 hours.

### PICTURES

1. Impeller on vertical borer prior to cleaning and refurbishment
2. View of wear and mechanical damage. Wire framework was used to reinforce repair
3. Application of Belzona® 1111 underway
4. Completed impeller after application of final coats of Belzona® 1321



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



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