

# Distressed Water Pump Rebuilt and Coated with Belzona 1341N Hydrophobic Coating

ID: 9731

Industry: Power  
Application: CEP-Centrifugal Pumps  
Substrate: Cast Iron  
Products: Belzona 1311 (Ceramic R-Metal), Belzona 1321 (Ceramic S-Metal), Belzona 1341N (Supermetalgilde)

Customer Location: Chandler, IN  
Application Date: April 1998

## Problem

Decades of wear and loss of efficiency in pumps. Customer required a Belzona solution.



General damage to the pump casing, wear ring areas, and packing areas.

Grit blasted completed and ready for Belzona application.

After the wear rings and packing areas were rebuilt with Belzona 1311 (Ceramic R-Metal) the first coat of Belzona 1321 (Ceramic S-Metal) was applied.

Two coats of Belzona 1341N (Supermetalgilde) were applied. Pump is ready to be reassembled.

## Application Situation

Pump was taken out of service due to poor performance. Labor and material for the application was \$15,000. Replacement was \$70,000 order and install a new pump.

## Application Method

After a grit blast Belzona 1311 was used to rebuild the wear rings and packing areas. Then one coat of Belzona 1321 (Ceramic S-Metal) was applied by brush. This was followed by two coats of Belzona 1341N (Supermetalgilde), a hydrophobic coating for energy efficiency.

## Belzona Facts

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ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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