

## BELZONA REPAIRS AND PROTECTS ROTOR FROM EROSION-CORROSION

### CUSTOMER

Independence, MO, USA

### APPLICATION DATE

August 2009

### APPLICATION SITUATION

Vacuum pump rotor.

### PROBLEM

During the overhaul of this plant's Nash Vacuum Pump it was determined that the components were showing extreme signs of erosion and corrosion and could benefit from a Belzona renovation.

### PRODUCTS

Belzona 1311 (Ceramic R-Metal)

Belzona 1341 (Supermetalgilde)

### SUBSTRATE

Cast Iron and Steel

### APPLICATION METHOD

The contracted machine shop called us as the pump customer requested Belzona. The maintenance crew were trained, assisted and shown how to complete the repair to our rigid standards. The components were rebuilt with Belzona 1311 and protected with two coats of Belzona 1341; adhering to the custom engineering guidelines published in Belzona Know-How System Leaflets FBC-2 & FBC-15.

### BELZONA FACTS

This maintenance procedure was easily accomplished by Evolution Machine & Design under the supervision of the local Technical Consultant. Without Belzona, this pump rotor would have had to be replaced!

### PICTURES

1. Vacuum pump recently taken out of service for repair
2. Pump prepped to a near white metal finish with steel slag
3. Technical Consultant assisting with the application
4. Completed application and the equipment is ready for installation



1.



2.



3.



4.

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



ISO 9001:2008  
Q 09335  
ISO 14001:2004  
EMS 509612

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