Know-How*in Action*

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BELZONA REPAIRS A 40-YEAR OLD IRRIGATION PUMP

CUSTOMER
Greenacres, WA, USA

APPLICATION DATE
September 2014

APPLICATION SITUATION
40-year old 5-stage irrigation pump.

PROBLEM
Pump had decreased productivity. It has not been pulled since it was installed in 1974.

PRODUCTS
Belzona 1221 (Super E-Metal)
Belzona 1341 (Supermetalglide)

SUBSTRATE
Cast iron and brass

APPLICATION METHOD
All surfaces to be coated were properly grit blasted to a near white finish. The parts were washed down with a non-chlorinated cleaner. Areas of extreme pitting or cavitation were repaired using Belzona 1221. The first coat of Belzona 1341 was then applied, with the second coat being applied the following day. Applications was carried out in accordance with Belzona Know-How System Leaflets CEP-1 & CEP-10.

BELZONA FACTS
With a pump of this size, replacement would be a very costly option. Using Belzona products to repair and protect this pump will result in another 40 years of operation and increased productivity and lower operational costs. The customer is already making plans to coat the remaining 12 pumps that they use.

PICTURES
1. 1. Damaged pump bowl and impeller
2. 2. Sweating the bowl prior to blasting
3. 3. All 5 impellers completed
4. 4. Two of the bowls and suction pipe completed

1.

2.

3.

4.

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

Belzona products are manufactured under an ISO 9000 Registered Quality Management System.

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