

BELZONA[®] PERFORMANCE IMPROVEMENT PROGRAM (PIP) BOOSTS OUTPUT

CUSTOMER

Water Distribution Company

APPLICATION DATE

May, 1995

APPLICATION SITUATION

Water transmission pumping station

PROBLEM

Reduced output from booster pumps which required standby unit to operate continuously to provide adequate flow

PRODUCTS

Belzona[®] 1111 (Supermetal)

Belzona[®] 1341 (Supermetalglide)

SUBSTRATE

Cast iron casing / Bronze impeller

APPLICATION METHOD

The application was carried out in accordance with Belzona P.I.P. computer generated engineering specification following a detailed workshop inspection.

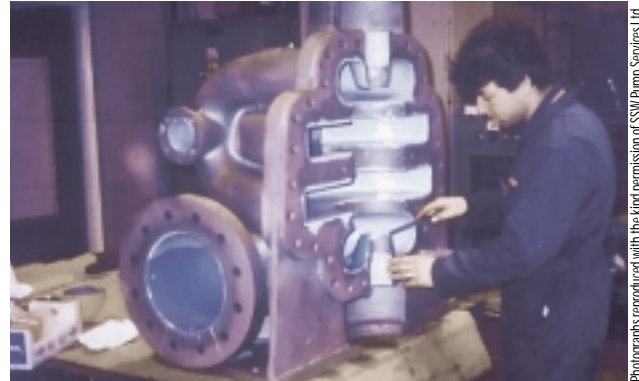
BELZONA FACTS

Due to the reduced output of the pump units and the increased demand for water, each unit was removed for inspection and repairs and coating were carried out in line with Belzona P.I.P. recommendations. The pumps were then tested prior to re-installation on-site where dramatic results of all five units were observed.

- Under normal demand only three pumps are required instead of five.
- Flow has increased from 65 liters/sec. to 125 liters/sec. at the required pressure.
- Power consumption was reduced by 5%.
- Pump efficiency increased by 24%.

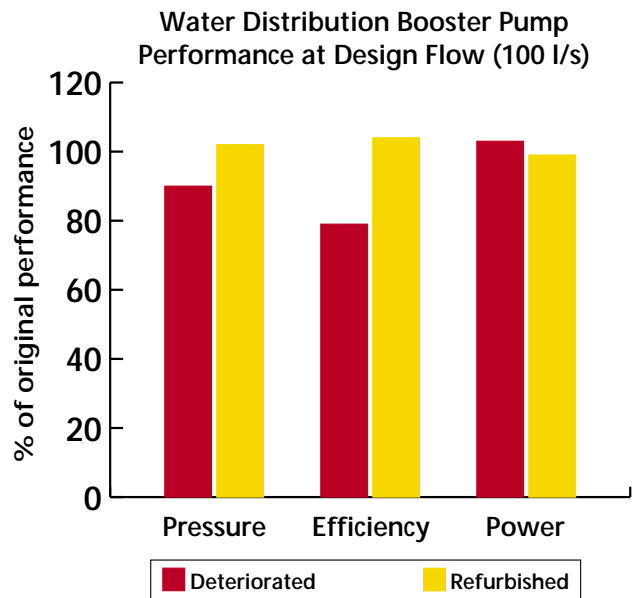
PHOTOS

1. Pump house showing pump unit
2. Performance improvement information
3. The completed application following refurbishment

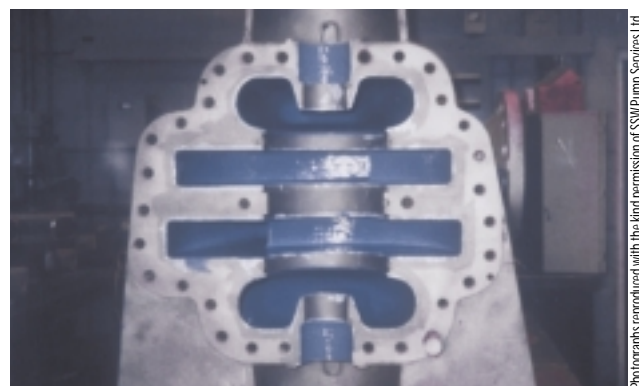


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