# **Belzona Energy-saving Coatings Improve Pump Efficiency**

ID: 9312

Industry: Fluid Flow Customer Location: Jiangsu, China
Application: CEP-Centrifugal Pumps Application Date: May 2019

Substrate: Cast Iron

Products: Belzona 1341 (Supermetalglide)

#### **Problem**

The pump efficiency test of the customer's new pump found that the target value was not reached.









Before application

After surface preparation

During application of Belzona

Application completed

1341

## **Application Situation**

The circulating water pump applies Belzona energy-saving and efficiency-enhancing coating.

#### **Application Method**

Application was carried out in accordance with Belzona System leaflet CEP-10.

## **Belzona Facts**

The pump efficiency of the new pump was tested before leaving the factory and it was found that it did not reach the target value. Traditional methods of smoothing the substrate surface to reduce fluid resistance and enhance pump efficiency have had limited success. The customer chose to apply Belzona energy-saving and efficiency-enhancing coating to the overall internal flow surface of the pump casing, and the pump efficiency was improved. The effect is significant. The test of pump efficiency before and after the coating applied showed that pump efficiency increased by more than 3%, far exceeding the pump efficiency target value required for delivery and far exceeding customer expectations.

