

# BELZONA RESTORES HUGE DYNAMOMETER

ID: 3116

Industry: Marine

Customer Location: Marine Engine Manufacturer, Croatia

Application: CEP-Centrifugal Pumps

Application Date: 2011

Substrate: Cast iron

Products: \* Belzona® 1121 (Super XL-Metal) Belzona® 5811 (Immersion Grade) Belzona® 1321 (Ceramic S-Metal) ,

## Problem

Long years in service and chloride attack degraded the surface profile of the dynamometer.



## Photograph Descriptions

\* Impeller Casing clearly showing degree of erosion present Protected impeller Protected casing ,

## Application Situation

Hydraulic dynamometer used for engine tests.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets CEP-1, CEP-3 and CEP-5. After the profile of the impeller and the casing had been rebuilt with Belzona® 1121, the whole dynamometer was protected with Belzona 5811. Finally Belzona® 1321 was used for extra protection for the casing and impeller blades.

## Belzona Facts

The customer was very pleased that Belzona repair saved them from a very costly part replacement. Total savings was one million GBP.

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

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

[www.belzona.com](http://www.belzona.com)

