

# LUXURY YACHT P FRAMES PROTECTED FROM CAVITATION WITH BELZONA® 2141

ID: 897

Industry: *Buildings & Structures*

Application: *CEP-Centrifugal Pumps*

Substrate: *Aluminum*

Products: *\* Belzona® 2141 (ACR-Fluid Elastomer) ,  
\* Belzona® 2941 Elastomer SP-Conditioner) ,*

Customer Location: *Private Leisure Customer in Florida*

Application Date: *April 2003*

## Problem

*Cavitation had caused erosion of the parent metal and threatened the structural strength of the component if left untreated.*



## Photograph Descriptions

- \* Original condition of component ,
- \* Close up of cavitation damage ,
- \* Belzona® 2141 mid application ,
- \* Belzona® 2141 after 12 months (overcoated with antifouling) ,

## Application Situation

Propeller shaft support brackets of a luxury yacht. This craft is 46.63m long and equipped with a 13,000hp CODAG power plant capable of 50 Knots through a combined twin-prop and waterjet arrangement.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet SOS-2. A conventional anti-fouling was applied over the Belzona® 2141.

## Belzona Facts

Inspection of the Belzona® 2141 system after 12 months service in this aggressive environment showed no attack to the Belzona coating.

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

ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
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