

Ferry Capstan winch rebuilt with Belzona 1111

ID: 9724

Industry: *Marine*
Application: *SOS-Ships and Offshore Structures*

Customer Location: *Scotland, UK*
Application Date: *October 2024*

Substrate: *Carbon steel*
Products: *Belzona 1111 (Super Metal)*

Problem

A capstan used for hauling mooring ropes was over coiling due to an insufficient chamfer. Build up using weld overlay would be prohibitively expensive & time consuming within the timeframe available.



Ropes overcoiling

Grit blast surface preparation

Wetting out the surface

Build up of Belzona 1111

Application Situation

Using the Belzona solution meant the capstans could be rebuilt without possible heat distortion of the substrate

Application Method

The capstans were grit blasted to SA2.5 & minimum 75 microns. Belzona 1111 was then used to build a larger chamfer.

Belzona Facts

Belzona 1111's compressive strength was an important consideration in selection for the client.

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

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