

# Ferry Capstan winch rebuilt with Belzona 1111

ID: 9724

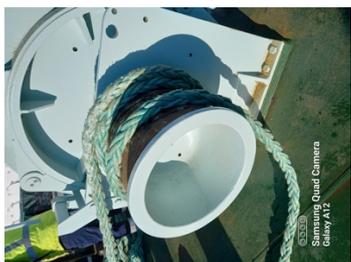
Industry: *Marine*  
Application: *SOS-Ships and Offshore Structures*

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.

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FS 695214  
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