

# 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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ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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