# **Belzona Used on US's First Zero Emissions Tug Boat**

Industry:	Marine	Customer Location: Bayou La Bat	tre, Alabama
Application:	SOS-Ships and Offshore Structures	Application Date: April 2023	
Substrate:	Rubber		
Products:	Belzona 2211 (MP Hi-Build Elastomer), Belzona 2911 (Elastomer QD Conditioner)		

### Problem

The front fender for the eWOLF needed to be bonded together using a strong adhesive that would withstand pushing and pulling during the process of adhering the fender to the tug boat.









The eWOLF with the completed The plugs of the fender needed Belzona 2211 applied to fender attached.

to be attached first before attaching the fender sections.

prepared surface before connecting the fender sections. Belzona fully cured.

Come a longs used to hold the sections together while the

## **Application Situation**

Belzona 2211 was needed to adhere the three sections of a front fender.

## **Application Method**

After achieving the required surface preparation, the conditioner Belzona 2911 was applied and after an hour of waiting, Belzona 2211 was used to attach the plugs into the fender and then attach the 3-part fender together. Come- a longs were used to apply the necessary pressure to ensure the various surfaces were sufficiently pressed together. Surface preparation was completed using grinding wheels and MBX Bristle Blaster.

## **Belzona Facts**

The eWolf is the first zero emissions tug boat in the United States. The battery powered tug boat will be a harbor tug boat in California.

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

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