

## BELZONA REPAIRS CAVITATION DAMAGE TO THE BULK CARRIER PROPELLER BLADES

### CUSTOMER

Shanghai, China

### APPLICATION DATE

August, 2021

### APPLICATION SITUATION

Propeller blades

### PROBLEM

Propellers on bulk carrier had severe cavitation damage on all four blades of propellers.

### PRODUCTS

Belzona 1311 (Ceramic R Metal)

Belzona 1321 (Ceramic S Metal)

### SUBSTRATE

Brass

### APPLICATION METHOD

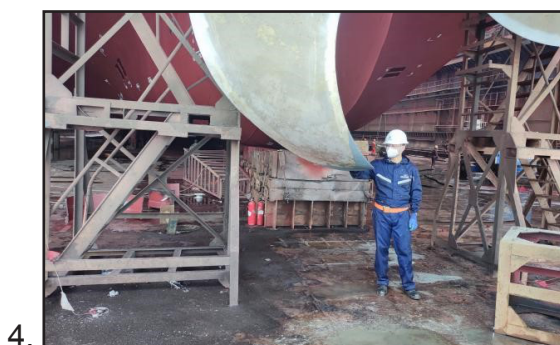
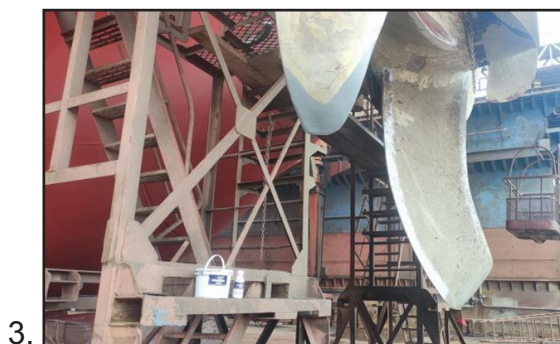
The application was carried out in accordance with Belzona Know-How System Leaflet SOS-1 and SOS-2.

### BELZONA FACTS

Any polymeric repair solution that is subject to cavitation will be a lot more cost effective than welding and re-machining. It is time consuming to braze bronze and requires higher skills to rebuild significant metal loss. Belzona systems were accepted by DNV Classification Society.

### PICTURES

1. Surface preparation with sandblasting
2. Rebuilding metal loss with Belzona 1311
3. Cavitation prevention with Belzona 1321
4. Complete application



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

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9000 Registered Quality  
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