



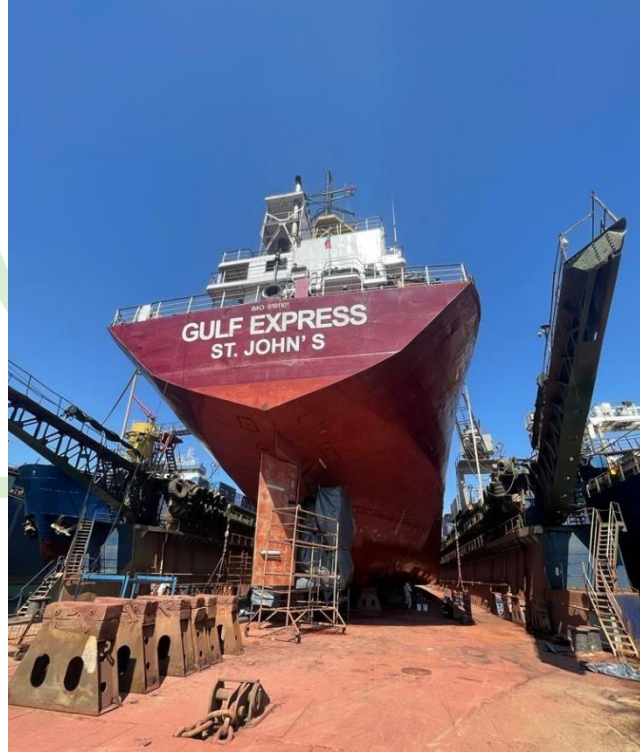
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Rebuild of Propeller Blades

- Application:** Refurbishment of Propeller Blades
- Place:** Istanbul, TR
- Date:** July 2022
- Inspection:** Esko Marine
BTMteknik
- Application:** BTMteknik
- Wencon products used:** Rapid, Coating White, Coating Blue, Cleaner, appl. tools.



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1. Main propeller has been detected with cavitation for all 4 blades. The surface is prepared using UHP water jetting to remove all salt and uncleanness's out if the metal surface.



Picture 1

2. & 3. Measured salt content of the liquid before injection of the liquid into the patch



Picture 2



Picture 3

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4. The final value: $45 - 13 = 32$ us/cm.

According to the most common standards as seen on picture on the left, it will meet even the toughest standards.



Picture 4

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5. Due to the extent of cavitation and damage to the propeller blades, the surface is already rough and suitable for applying Wencon Ceramic Cream. Grit Blasting seems therefore superfluous, and degreasing using Wencon cleaner will achieve the best conditions for proper adhesion.



Picture 5

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6. & 7. Cavitation damage on the propeller Blades.



Picture 6



Picture 7

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8. To optimize adhesion, the 1st layer Wencon ceramic cream are “worked toughly” into all pores and unevenness of the cavitated areas.



Picture 8

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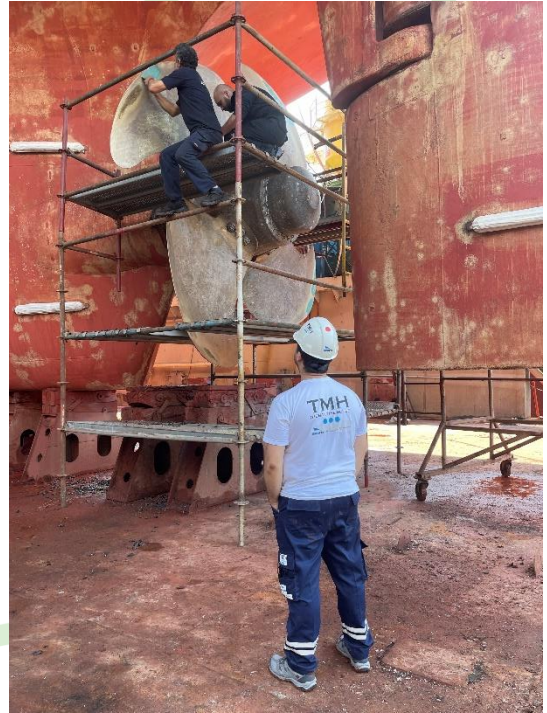
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9. & 10. 2nd and final layer of Wencon ceramic cream applied in layer thick enough to ensure level above to original surface has been obtained.



Picture 9



Picture 10

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11. Subsequent to final curing has occurred, the original shape and size of the Propeller Blades is recovered by using grinding tools and ordinary polish tools as normally used to polish the Propeller Blades.



Picture 11

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12. Final result.



Picture 12

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