

**Industry:** Marine - Yacht  
**End User:** Private Yacht Owner  
**Application:** Hydraulic Swim Platform  
**Thordon Grade:** ThorPlas-Blue  
**Date of Original Installation:** May 2021

### Challenge:

A private yacht owner based in Dubai, United Arab Emirates, was experiencing difficulty with their greased bronze bearings on the hydraulic swim platform at the stern of their vessel. The swim platform and the adjacent stairs are supported on hydraulically operated structures. The bronze bushings were seizing because of lack of lubrication and the vessel owner had to drydock every 18 months to replace the bearings. Unfortunately for the vessel owner, the bronze bushings could not be supplied quickly and it therefore took longer than expected for the bushings to be machined and replaced. As a result, the owner was experiencing increased downtime and an increase in maintenance costs as drydocking is incredibly expensive.

### Solution:

The vessel owner learned about Thordon through the marketing efforts of Thordon's authorized distributor in the U.A.E., Ocean Power International (OPI). The helpful staff at OPI recommended Thordon's ThorPlas-Blue material for its self-lubricating properties and elimination of grease. ThorPlas-Blue was the perfect solution on this yacht because it eliminated the seizing issues that the bronze bushing experienced while also offering a longer life. OPI also has large stock availability to machine and deliver the bearings quickly.

### Result:

ThorPlas-Blue bearings were installed in May 2021 and are still in excellent working condition. The bearings are expected to last for at least 30-36 months. Based on the good results with the Thordon bearings, the vessel owner is expected to discuss additional Thordon applications when the yacht is next in dry dock.



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