



Case Study: Jack Up Housing Blocks & Tubing



Oxifree testing onboard Wind Discovery for Jack Up House Tubing and Blocks



Location	Esbjerg Harbour in Denmark
Local Environment	Onshore Harbour
Date	January 2026
Condition	Below deck during Winter
Total Coatings	4
Substrate Type	Hydraulic blocks & tubing
Duration	1 day

Summary

Scandinavian Imports were contacted by Ziton with regards to corrosion problems onboard the Wind Discovery vessel. The suggested solution by Oxifree was to coat with TM198 and apply Oxitape over the coated areas, due to them being occasionally submerged. The client requested a trial first, which the distributor provided.

Introduction

The trial was conducted in Esbjerg harbour in Denmark in January 2026. The jack up housing is occasionally submerged, so the tubes and blocks corrode heavily. The client's current solution is changing the tubing and blocks every 2-3 years.

Objective

The client enquired about the distributors various products but based on the location and severity with corrosion, submersion and wave turbulence, Oxifree was chosen as the best solution, mainly due to the material's longevity.

In terms of the cost comparison, the client roughly estimated a potential decrease in maintenance cost by 300%, because the pipes would not require replacement every 2-3 years, possible only after 6-8 years.

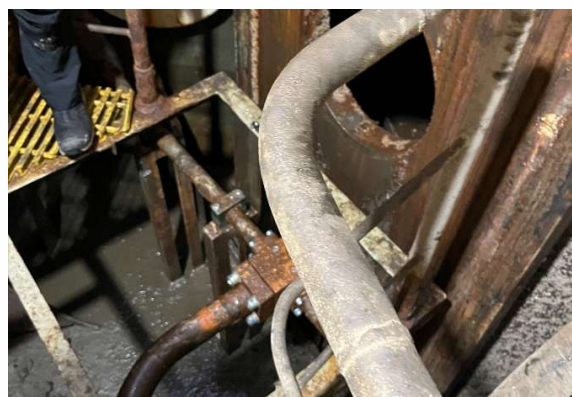
Ziton - Vessel Wind Discovery



New Corroded Hydraulic Blocks & Tubing



Different location but old corroded block



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Process

A team of Oxifree technicians arrived at the harbour while the vessel was undergoing further maintenance, therefore the area was free to carry out the trial. The captain requested the trial be carried out on leg 2 on Wind Discovery. The team consisted of a supervisor and 2 applicators. They coated 1 hydraulic block and approx. 20-30 cm of tube in each direction. The area was below the deck, so the Polymelt 50 application machine was positioned on the deck and the application carried out using the 15-meter hose.

Solution

Upon arrival, the team removed the anti-corrosion wax tape from the hydraulic block. After that, there was minimal surface preparation and the coating could begin. The temperature was below zero degrees Celsius, so the coating cooled faster and was done in less than 2.5 hours. Once cooled, the Oxitape application could start. Approx. 20 meters of Oxitape was required to completely cover the Oxifree TM198.

The vessel sailed out the week after and once their current scope is completed, they will arrive back to harbour when the trial coating will be removed to assess.

Block coated with Oxifree TM198



Block covered with Oxitape above TM198



Coated block after 3 months



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Conclusion

On Wednesday 6th May 2026, Scandinavian Imports personnel board the vessel to remove the coating to assess the protection provided by Oxifree TM198 & Oxitape over the 3-month period that the vessel has been at sea carrying out operations.

As you can see, there is an oily surface on the assets created by the TM198 corrosion inhibitor, but no further corrosion has taken place. The assets are in the same condition as they were prior to the application of Oxifree TM198 & Oxitape.

Oxifree TM198 and Oxitape has protected these assets from further corrosion over this timescale. If left on, there could have been up to 10-years protection.

If Oxifree TM198 & Oxitape had been applied to these assets when newly installed, the outcome would have been zero corrosion.

Hydraulic block after Oxifree removal



Another angle of block after removal of Oxifree

