

When Cleaning Isn't Enough: From Recovered to Reliable

A critical PHE continued to fail pressure tests and underperform, even after repeated service attempts by previous providers. Facing the prospect of full replacement, the client turned to MARITECH for expert intervention and a second opinion.

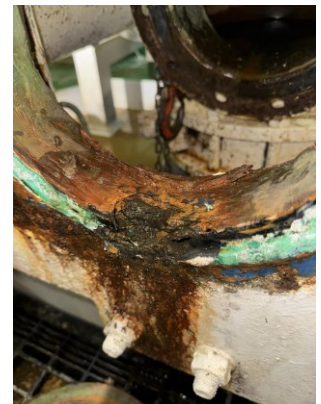
PROJECT SCOPE: LT FW Maintenance

MAKE | MODEL: N/A
LOCATION: Piraeus
VESSEL TYPE: Chemical Tanker
CAPACITY: 50.000 MTS

OUR SOLUTION

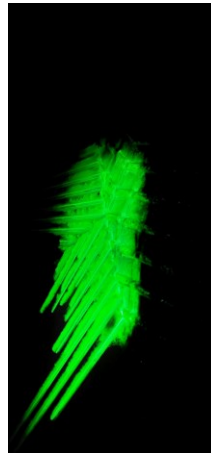
The unit was transferred to MARITECH's service center in Greece, where a full diagnostic revealed multiple issues:

- Plate misalignment and over-compression
- Incorrect gasket specifications causing degradation
- Incomplete cleaning in key thermal zones
- Warped plate edges affecting sealing



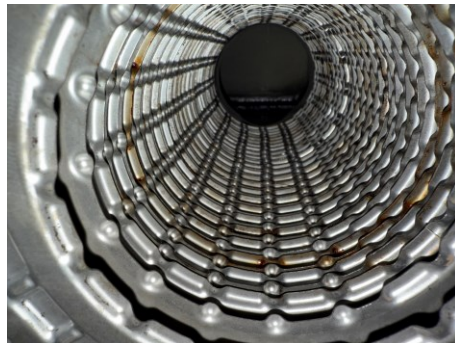
We executed a structured recovery plan that included:

- Flatness checks and alignment testing
- Selective plate replacement
- Full mechanical and chemical cleaning
- Re-gasketing using high-temp optimized compound and hardness
- Final QA and Class-standard pressure testing



THE RESULTS

- ✓ Full recovery without OEM replacement
- ✓ €38,000 in cost savings
- ✓ Verified performance during sea trials
- ✓ Client reassigned additional units to MARITECH



CLIENT FEEDBACK

"Clear communication, reliable outcome, no surprises. We've continued with MARITECH for similar units."

WHY IT MATTERS

This project highlights MARITECH's ability to go beyond traditional repair services — applying engineering expertise, multi-OEM capability, and proactive planning to deliver measurable gains in performance, reliability, and cost efficiency. Our approach transforms heat exchanger maintenance from a reactive burden into a structured, value-generating process across the fleet.

We don't just clean. We restore. We protect. We prevent.