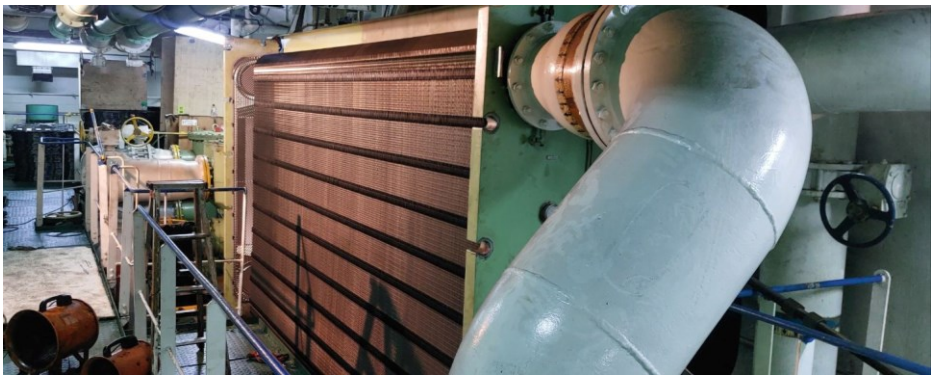
The root cause was traced to internal failure of the Main Lube Oil Cooler. With no port access and high risk of engine damage, a time-critical onboard solution was required. During routine monitoring, the vessel's crew identified an oil residuals in the fresh water expansion tank and further noticed increase in lub oil consumption.

| | |
|---|---|
| **PROJECT SCOPE:** | Emergency Restoration |
| **MAKE \| MODEL:** | N/A |
| **LOCATION:** | Shanghai Anchorage |
| **VESSEL TYPE:** | Container vessel |
| **CAPACITY:** | 13.000 TEU |

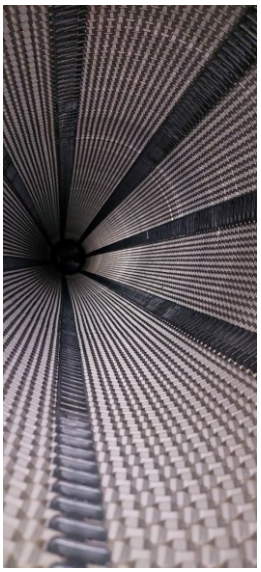


## MARITECH RESPONSE

- A flying team of senior MARITECH engineers was deployed and boarded the vessel at anchorage within 48 hours
- Onboard diagnostics confirmed gasket failure and plate deformation inside the plate heat exchanger
- As time did not allow external reconditioning, MARITECH coordinated the emergency use of the vessel's stock plate pack, previously supplied under a preventive framework
- The unit was reassembled and fully tested under controlled conditions, confirming full recovery of system integrity

## THE OUTCOME

- Vessel resumed operations with no port call or delay
- Engine shutdown was avoided, saving an estimated USD 45,000–60,000 in downtime and logistical costs
- MARITECH's predictive approach, combined with advance part readiness and onboard capability, ensured a fast, safe, and sustainable outcome



## INDUSTRY INSIGHT

operators are adopting predictive and modular repair strategies to reduce risk and minimize downtime. This case illustrates the value of forward stocking and the ability to execute advanced service scopes on anchor.

The successful outcome reflects a growing industry shift toward trusted partners like MARITECH, capable of executing critical repairs under pressure while maintaining the highest standards of quality, safety and sustainability.