

Wärtsilä Thruster services



As shipping companies continue to grow and expand the reach of their operations, the need for truly global service and maintenance networks is increasing. In addition, there is growing demand for solutions that help you to optimise operations, increase uptime and ensure long-term visibility into costs. Wärtsilä can provide thruster services for planned inspections or in case of emergencies. We can also take full responsibility for the maintenance of your vessel's propulsion equipment for its entire lifecycle.

TECHNICAL CONCEPT

Wärtsilä Thruster services aim to achieve and maintain optimal performance and efficiency of your thrusters throughout their entire lifecycle, from routine inspections to upgrades, repairs and refurbishments.

INSPECTION AND MAINTENANCE

Classification societies demand a five and ten-year thruster inspection. The five-year stage includes general inspection and cleaning, condition evaluation and preventive replacement of critical parts, as well as flushing of lubricants and other hydraulic systems. After ten years or 40,000 hours an extensive inspection is needed, during which refurbishment or replacement of important components can guarantee a prolonged service life.

KEY BENEFITS

- Ensure the optimum performance and reliability of your steerable and transverse thruster systems
- Get global support from an expert partner with decades of experience
- Gain long-term visibility into lifecycle costs
- Ensure safety and reliability with access to OEM spare parts
- Get peace of mind from a flexible approach that can handle all maintenance needs
- Maximise uptime and reduce operating costs with innovative services



With our class-approved propulsion condition monitoring services (PCMS), we can determine the condition of your propulsion equipment without the need for internal visual inspections. This maximises vessel availability by ensuring that maintenance and overhauls are performed only when needed. By combining PCMS with an optimised lifecycle maintenance agreement you can schedule maintenance according to actual needs instead of relying on a fixed schedule.

A FULL LIFECYCLE APPROACH

Wärtsilä Lifecycle solutions optimise the efficiency and performance of your thrusters. We predict your maintenance needs while ensuring that your assets operate in the most energy-efficient way and in accordance with all relevant regulations. Performance targets are agreed based on measured data and then guaranteed to be reached and maintained.

IN-LIFE UPGRADES

Technology is constantly improving, legislative requirements change and after years of use elements of certain components deteriorate and spare parts become obsolete and scarce. Upgrading and/or replacement of larger components guarantees “good-as-new” life expectancies, improves thruster service life and increases overall operational efficiency. Wärtsilä continuously informs you about recommended upgrades that can be installed during a planned dry docking.

THRUSTER CONTROLS

Wärtsilä thrusters are supplied with propulsion controls systems that also include the bridge interface. While the thruster’s expected lifespan is the same as the vessel’s, it’s likely the control system cannot keep the pace with technological developments. We can provide a range of control upgrades according to your vessel’s lifecycle. The replacement propulsion control system is quick, easy and safe to install, keeping downtime to a minimum.

UNDERWATER MAINTENANCE AND REPAIR

Dry docking has significant implications in terms of both time and cost. With our Trident Underwater services, steerable and transverse thrusters can be safely repaired or completely replaced underwater, eliminating the need for a dry dock. This reduces both maintenance costs and downtime while minimising any impact on your installation’s operation.

EXPERT SERVICES FOR SHIP LAY-UP

In an economically challenging market, many offshore operators will lay-up their assets. The proper deactivation and re-activation of the vessel machinery, as well as proper care during the lay-up, are key to ensuring your asset is kept operational. With the Wärtsilä Thruster preservation bag, thrusters are fully protected against corrosion, marine growth and oil contamination, extending the time between overhauls. The Wärtsilä Thruster preservation bag also protects thrusters during the stacking of a rig or vessel, thereby avoiding unnecessary repairs and overhauls.



PRODUCT TRAINING AND THE WÄRTSILÄ LAND & SEA ACADEMY (WLSA)

Ensuring that your crew are properly trained increases safety, reduces operational risk and unnecessary downtime and maximises your return on investment. Wärtsilä can offer professional training courses run by a specialised team of experienced training engineers. The WLSA consists of training centres around the globe dedicated to training ship crews in the operation of all our products. Whenever possible, crew members are offered specially tailored training related to the actual installation.

SCOPE OF SUPPLY

- Services for 5 and 10 years inspection intervals in accordance with class requirements
- In-situ and workshop repair and overhaul
- Spare units as parts or complete sets
- Upgrades and retrofits of thruster controls
- Long-term service agreements
- Audit services
- OEM spare parts with extended warranty
- Thruster storage facilities
- Underwater services for inspections, installation and emergency repairs
- Supervision and project management
- Expert services for lay-up support
- Condition-monitoring services
- Health check and preventive maintenance with condition monitoring

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