





WÄRTSILÄ BOILER SERVICES

Boilers and burners play a fundamental role on any vessel. The operation of the vessel and the safety of cargo and crew depend on them, and reliability is essential. Wärtsilä's expertise and decades of experience in marine boiler servicing provide customers with the satisfaction of knowing that their ship's boiler is kept in safe and efficient working order.

Wärtsilä offers a complete range of boiler services, including inspections, service, repairs, conversions, upgrades, and spare parts for any brand, including economizers and control systems. We will service any marine vessel as well as all types of industrial installations.

INSPECTION SERVICE

Good and accurate diagnosis is the first step in the maintenance or repair of a boiler system.

Wärtsilä's experienced professionals carry out boiler inspections thoroughly and efficiently to evaluate the condition of the boiler, and to determine what if any repairs are needed. To assist them in this work, the engineers utilize the latest and most sophisticated detection and verification equipment, such as u-sonic and fibre endoscopes and magnetoflux.

As with most technology, the earlier a boiler problem is identified, the better. This is especially true of a system under pressure, where even tiny flaws can quickly escalate into difficult and even dangerous problems.

BURNER SERVICE

Correct adjustment is essential to the efficient and most cost-effective running of the burner. Whether the required service is a simple

recalibration or advanced commissioning, Wärtsilä's team of experienced service engineers provide the know-how to ensure optimal performance at all times.

BOILER REPAIR

Fin and pin tubes, pressurized tubes, spiral wound tubes, pre-bent tubes and pressure vessel plates – whatever the special replacement part needed, Wärtsilä can produce duplicates in its own workshops, and then fly them to you. Our global network also means that we are always available at short notice to install the part on a vessel or at a facility anywhere in the world.

CUSTOM REPLACEMENT BOILERS

Wärtsilä is able to customize replacement boilers to fit and make optimal use of available space and hoisting capabilities. We have extensive experience in manufacturing new oil-fired and exhaust gas marine boilers.



For our industrial customers, we also design and deliver complete heat waste recovery systems ready fitted with all the required components.

WORKSHOPS

Wärtsilä's dedicated boiler workshops are fully equipped with state-of-the-art machinery to provide high quality repairs of any make or type of boiler. The goal is always to ensure customer satisfaction with a minimum of downtime.

Wärtsilä Boiler Service's workshop centres are located in Denmark, Sweden, United Arab Emirates and China.

LOW SULPHUR FUELS – BOILER SYSTEM CONVERSIONS

Most ships have boilers and burner systems that are fully capable of operating on high grade MDO/MGO (DMA). This offers one alternative for conforming to the forthcoming MARPOL and EU (SECA) legislation, and for complying with regional requirements, such as California's. Most systems,

however, are designed to operate mainly on low grade HFO. Existing systems in operation should, therefore, be carefully examined in order to verify if any modifications are necessary for safe long-time operation.

Wärtsilä Boiler Services offers inspections to determine the capability of the boiler and/or potential modifications necessary to ensure the optimal operation of the boiler when operating on low sulphur fuel.

SERVICE AGREEMENTS

Boiler systems tend to be overlooked by maintenance crews until a breakdown occurs. Responding to problems after they occur is the most expensive form of maintenance. Not only that, but damaged boiler systems may even create serious health and safety risks.

Regular inspections by qualified boiler specialists will overcome such risks, and since such expertise is unlikely to be found in-house, having Wärtsilä as a service partner provides

peace of mind. Wärtsilä Service Agreements are designed to ensure optimized performance from the boiler system according to the customer's own specific operational profile.

TAILORED SOLUTIONS

This brochure provides an outline of the range of boiler services offered by Wärtsilä. However, we also offer tailored solutions to meet specific application requirements. Wärtsilä is continuously extending its service offering to meet the needs of its partners. As we say in our Services Mission: We create lifecycle services with our customers, enhancing their business – whenever, wherever.



BOILERS		VALVES		ELECTRICAL & CONTROL EQUIPMENT	
Aalborg Sunrod Gadelius Foster Wheeler Hitachi	Kawasaki Mitsui Mitsubishi Spanner Parat-Halvorsen	Ari Armatour Johnson Ego Leser Leslie	Lucifer Naf Samson control Spirax Sarco Tyco Valves	Siemens Danfoss Gestra Sauter Samson Telemecanique Igema Fischer Rosemount	SES PR Electronics Erab Landis & Gyr Jumo Honeywell Sälzer
BURNERS		WATER LEVEL GAUGES & GAUGE GLASS		PUMPS	
Aalborg KB/ KBSD-A/KBP Hamworthy Oilon Petro	Saacke Sunfi ame Weishaupt Volcano	Klinger Bonetti Level Vaihinger Igema		Allweiler Dickow Gamma/Bet Grundfos IMO	Kral Si-Hi Suntec
HEAT EXCHANGERS		SOOT BLOWERS		OTHER EQUIPMENT	
Blokasma Elwa Sperre Vesta		Clyde Bergmann Diamond Bergqvist & Wunsch Aerovit		Hasselhofer Aqua Metro Steinen Monarch	SKF Norgren Uni-safe
PRESSURE GAUGES		REFRACTORY			
Tempress Wika		Pilbrico			



SPARE PARTS

Wärtsilä supplies high quality spare parts suitable for all types and brands of burner systems and boilers. Furthermore, we can usually deliver without delay since we stock the most frequently requested parts, such as nozzles, ignition electrodes, transformers, gauge glasses, gaskets, valves, pumps, motors, armatures, and electronic print cards.



VISIT US AT WWW.WARTSILA.COM/BOILERSERVICES

FROM SERVICE TO SERVICES

A number of our customers have recognized us as their preferred service supplier to ensure the availability and cost-efficient operation of their installations. They find they get leverage from a variety of benefits by having their entire power system fully serviced by one global supplier.

Wärtsilä Services provides holistic, integrated service for our marine and power plant customers. To serve you better, we are continually broadening our range of solutions by adding products and services that further enhance the value of our one-stop-shop service and expanding our global network. We support your business, in-situ or from our numerous service centers around the globe, regardless of your equipment make.

We provide tailored efficiency solutions throughout the marine propulsion and power plant product lifecycle in the following services product lines:

- Engine Services
- Propulsion Services
- Boiler Services
- Electrical & Automation Services
- Operations & Management Services
- Training Services
- Environmental Services

We can tackle everything from basic support with parts, manpower and technical support to full service agreements. The work can encompass installation and commissioning, performance optimization, upgrades, conversions, and environmental solutions. Service contracts can extend from parts and manpower all the way to long-term, comprehensive contracts including performance and asset management agreements.

Wherever your installation is located, you will find a Wärtsilä Services center nearby. More than 11,000 dedicated professionals, operating in over 70 countries in 160 locations, are waiting for your call. We are never too far away to help.

This not just service, it is peace of mind – the security of knowing that your installation is covered by the world's most experienced marine and power plant services company: Wärtsilä.

Wärtsilä is a global leader in complete lifecycle power solutions for the marine and energy markets. By emphasising technological innovation and total efficiency, Wärtsilä maximises the environmental and economic performance of the vessels and power plants of its customers. Wärtsilä is listed on the NASDAQ OMX Helsinki, Finland.

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