Due to the amount of unplanned dry docks and overhauls, spare parts and emergency services are required at even shorter notice than before. At the same time, owners are put under ever increasing pressure with the need to achieve higher vessel utilization.

**AROUND THE WORLD, AROUND THE CLOCK**

At Wärtsilä Seals and Bearings we believe that speed of delivery is vital for our customers’ business, and we ensure that our support meets our clients’ demands. Our global network means we can deliver spare parts and services extremely quickly, helping you avoid any unnecessary downtime.

**SECURING VESSEL UPTIME**

To ensure short lead times, Wärtsilä Seals and Bearings has products available off the shelf in strategic stock locations around the world. Raw materials are also stocked to support quick delivery for bespoke products. More importantly, a global network of services and engineers is available to depart anywhere in the world, in the first 24 hours of given notice, to ensure customers are given the support they need.

### EXPRESS PRODUCTS

#### 3 day* white metal bearing
- Industrial standard is 5–6 weeks
- Express replacement for shafts sizes up to 750 mm
- High-quality cast iron lined with white metal using an advance centrifugal casting process

#### Lip seal ring kits available ‘off the shelf’ – ready for immediate shipping
- Spares kits stocked globally to support fast turnaround
- Other spare parts 3 days
- Standard seal assembly 1 week

#### Sternguard SeaQual spares – 3–5 days*
- Express service – reduced asset downtime
- Underwater servicing – no dry dock fees

Complete replacement seal for emergency retrofit in **1 week***
- Emergency situations require expert service and project management – reduced asset downtime
- Complete underwater options possible – no dry dock fees

#### 7–10 day*** coupling
- Shafts sizes up to 600 mm
- 7–10 days (depending on size)
- High-quality ready to install product

*All times stated are Ex Works. If these times do not suit your requirements please call to discuss.

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- UK: +44 (0)7787 531910
- Sweden: +46 732 414 903
- Japan: +81-80-4001-5388
**PRECISION WHERE IT COUNTS**

Introducing **Wärtsilä Alignment and measurement services**

Wärtsilä Alignment and measurement services offers advanced solutions for aligning, covering the entire scope of works, from measurements, calculations and reporting to proposing and carrying out corrective actions.

Wärtsilä has developed a special portable condition measurement system, which can dynamically detect faulty alignment of gearboxes, engines, sterntubes, sterntube seals, intermediate bearings, waterjets, propellers, generators and thrust bearings.

The system can be mounted in one working day and then sail along with the ship to the next harbour, where the data is collected for analysis and a repair proposal is given. With the necessary tools in place, realignment of shaft lines can be carried out in a couple of hours.

**BENEFITS:**
- Increased operating time and productivity
- Reduced wear and downtime

- Pinouts and live visual displays provided
- Fast and accurate measurement
- Approved by all major classification societies.

**REASSURANCE THAT RUNS DEEP**

Introducing **Wärtsilä Underwater services**

By carrying out critical repairs to sterntube seals and other equipment while the vessel remains in service, operations and vessel performance can continue uninterrupted, reducing both maintenance costs and downtime. In addition to emergency repairs performed underwater, Wärtsilä’s services can also be extended to include routine maintenance.

**BENEFITS:**
- Allows the vessel to remain in service with unrestricted performance.
- Service work can be performed typically during 8 to 12 hour port calls.
- Service and repairs can be carried out between port calls to ensure the vessel remains on schedule.
- Globally available with consistently high-quality workmanship.
- Class approved underwater propeller repairs.
- Trained Wärtsilä-qualified diver technicians carry out underwater repairs.