

Wärtsilä Control upgrade for gearbox starters



A gearbox controller malfunction can lead to unexpected maintenance and long repair periods, resulting in high operational costs and lost revenue from off-hire. Wärtsilä is committed to supporting you throughout the entire lifecycle of the supplied equipment and maximising the useable life of your assets. That's why we designed a control upgrade for our now obsolete FX1S-type Programmable Logic Controller (PLC) for gearbox standby pump starters. This is a 1:1 hardware replacement with order-specific converted software.

TECHNICAL CONCEPT

The upgrade is applicable to gearbox standby pump starters with an FX1S-type PLC in marine, offshore, special and merchant vessels.

The gearbox standby pump starter is located close to the gearbox, while the controller is situated inside a control cabinet. To minimise cost, the replacement controller has the same physical dimensions as the existing unit, meaning that the existing cabinet, cabling and panels can be retained.

The starter software needs to be converted and tested according to a customised Site Acceptance Test (SAT) in order to comply with classification rules. Software testing and installation is performed by a Wärtsilä services engineer, and the control upgrade can be included as part of a 64,000 operating hours overhaul.

KEY BENEFITS

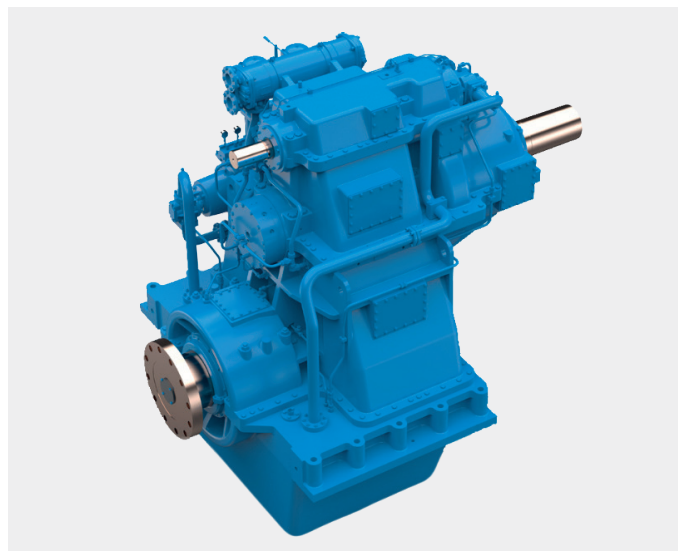
- Ensure reliable and trouble-free operation for Wärtsilä gearbox pump starters
- Hardware that is a 1:1 replacement to ensure quick, trouble-free replacement
- Minimised disruption to vessel operation with fast two-week delivery lead time and commissioning time of approximately one day per controller





SCOPE OF SUPPLY

- Replacement controller
- Equipment-specific converted software
- Customised SAT for verification of functionality after installation



WHY CHOOSE WÄRTSILÄ?

We are a technology leader with a proven track record of successfully delivering turnkey retrofit projects for leading global ship owners. The scope of supply can be tailored according to your needs, ranging from equipment only, with or without engineering, to a full retrofit engineering, procurement and construction delivery. An in-depth vessel survey by our experts followed by a comprehensive technical feasibility study assures optimal integration of the scrubber system. Our tailored approach to retrofit projects minimises the risk and downtime, while our global network enables us to support you throughout the lifecycle of your vessel.

CORE COMPETENCIES

- Product knowledge
- Regulatory and class requirement expertise
- Engineering resources
- Project management
- Procurement
- Site management and supervision
- Commissioning
- Crew training
- Lifecycle support

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