Managing the operational risks of main engines is crucial to maintaining competitiveness in the shipping market. Wärtsilä Health checks provide a clear picture of the main engine’s condition and reveal the implications for reliability, fuel consumption and lubrication oil consumption.

**KNOW YOUR OPERATIONAL RISKS**

There are certain risks involved in delivering cargo on time. Understanding the actual operational risks related to main engine operation enables you to make decisions and take appropriate actions.

The Wärtsilä Health Check is a comprehensive assessment of the engine condition during a normal port stay. A detailed evaluation report enables the vessel manager to take appropriate actions to improve the reliability and availability of the main engine.

The Wärtsilä Main engine health check includes detailed evaluation and classification of operational risks, an indication of possible options of rectification, as well as clear action recommendations.

A reliable engine adds value to the vessel for charterers, who want to get their cargo delivered safely and on time.

**UNCOVERING COST DOWN POTENTIALS**

Combining the Wärtsilä Health check with a performance evaluation allows you to identify fuel and lubrication oil saving potentials. This makes the vessel significantly more attractive, as the main engine can be operated according to the specifications.

**KEY DELIVERABLES**

- Detection and classification of main engine reliability risks
- Identification of options for action
- Clear recommendations
- Modular scope of inspection
ENGINE INSPECTION
Depending on the customer requirements, the customized engine check covers all elements of an engine:

- General engine inspection
- Piston underside inspection
- Cams, rollers and gears
- Fuel pump and fuel linkage
- Engine control and cylinder lubrication system
- Performance evaluation.

Further components and engine systems can be included on request. A complete drydocking pre-inspection is also available.

Service Report

- Professional inspection
  Qualified Wärtsilä engineers carry out visual inspections and measurements.

- Expert analysis
  Wärtsilä 2-stroke engine experts investigate the measurement results and draw conclusions.

- OEM recommendation
  A final evaluation report including clear recommendations.

Based on the Health check, a detailed but easy-to-read report is provided, including all the data collected and measurements taken.