



WÄRTSILÄ 2-STROKE ENGINE POWER LIMITATION – IMPROVE ENGINE SAFETY AND COMPLY WITH EEXI REGULATIONS

By the end of 2023 all vessels of 400 GWT and above that fall within the scope of MARPOL Annex VI must comply with the requirements of the IMO's Energy Efficiency Existing Ship Index (EEXI), which defines a minimum energy efficiency level for vessels. Wärtsilä has developed an overridable engine power limitation upgrade package for vessels with two-stroke main engine that will enable compliance with the new requirements.

Engine power limitation (EPL) is considered to be most owners' preferred solution for ensuring that vessels with 2-stroke main engines comply with the EEXI regulations. The Wärtsilä overridable EPL upgrade solution ensures that WinGD, Wärtsilä and Sulzer 2-stroke engines safely and reliably comply with these new environmental measures, including the requirement for logging and reporting.

KEY BENEFITS

- Improve engine safety and reliability
- Comply with new EEXI regulations
- Fulfil specified logging and reporting requirements

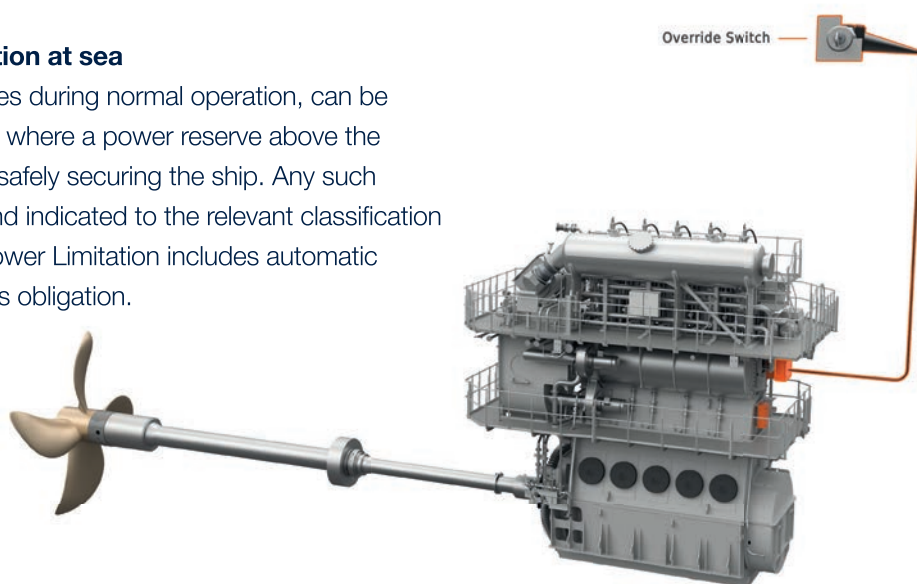


SAFE AND RELIABLE SOLUTIONS FOR LIMITING ENGINE POWER

Wärtsilä 2-stroke Engine Power Limitation is an upgrade solution that allows vessels operating 2-stroke diesel engines to comply with the IMO's new EEXI regulations by limiting the maximum power output of the engine. For electronically controlled engines power can be limited directly in the engine control system, while for mechanically controlled engines, a new EPL interface box is installed.

Override function ensures safe operation at sea

The EPL, which remains in place at all times during normal operation, can be manually overridden to allow for situations where a power reserve above the normal limit is required for the purpose of safely securing the ship. Any such override must be immediately recorded and indicated to the relevant classification societies, and Wärtsilä 2-stroke Engine Power Limitation includes automatic logging to support operators in fulfilling this obligation.



Scope of supply

The Wärtsilä 2-stroke EPL upgrade service is applicable for WinGD, Wärtsilä and Sulzer 2-stroke engines that will be in operation after 1st January 2023. The scope includes:

- Software with EPL functionality (electronic engines) or EPL interface box (mechanical engines)
- EPL installation
- EPL commissioning and verification
- EPL-related parts
- EPL calculation report
- EPL operational instruction for OMM
- Service work report for EPL implementation on board

Why choose Wärtsilä?

Wärtsilä is a leading OEM supplier to the marine industry with a global network providing service and support. Wärtsilä 2-Stroke Engine Services is an authorised global service provider. Our unrivalled network of maritime experts offers a full portfolio of lifecycle service solutions and technical support for all WinGD, Wärtsilä and Sulzer branded 2-stroke engines.

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