

MAN Overridable Power Limitation ME

MAN PrimeServ

MAN Overridable Power Limitation (OPL) is a retrofit solution designed to lower the energy efficiency index for existing ships (EEXI) by limiting the engine power to comply with the IMO resolution MEPC 335(76) adopted on 17 of June 2021.

MAN OPL for electronically controlled ME type engines is a solution that consists of software and hardware. The engine power is limited electronically by installing a new software and parameter file in the engine control system (ECS). The MAN OPL is controlled via a remote operating panel consisting of a switch and control lamps installed either on the Bridge or in the engine control room.

MAN OPL is a measure to limit the main engine's maximum continuous rating (MCR), with the possibility to be overridden if the safety of the vessel is compromised.

The ECS is constantly calculating the load of the engine, based on the engine speed, fuel index and cylinder pressures (if applicable). The fuel index will remain unlimited until the power limit is reached.

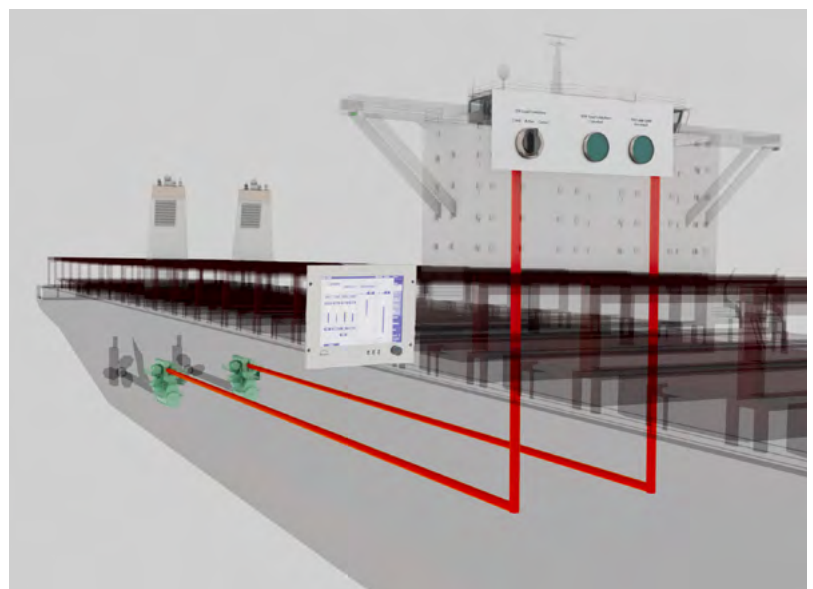


Fig. 1 - MAN OPL

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Key benefits

- Simple solution, fast and easy way to limit the power output of engines or un-limit the engine if additional power is needed and allowed
- No additional equipment needed
- Easy installation, can be done by a service engineer during normal port stay
- OPL system can be activated on the first survey day in 2023

Scope of supply

Hardware: Switch and control lamps, and additional electric accessories for installation.

Software: New Software-release & Parameter File (SPAF)

- Documentation
 - EPL report
 - Onboard Management Manual (OMM) template

Applicability

Applicable for two stroke ME engines (ME-C and ME-B)

Retrofit & Upgrades
(Two-stroke)
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More information

Would you like to know more about the product, and how the upgrade can improve your specific engine? Then do not hesitate to contact your local MAN PrimeServ office to receive more information about the upgrade!

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