EcoTorque

EcoTorque is a fuel pump governor control update developed to improve the condition of the cylinder liner and save fuel.

Without EcoTorque, the purpose of the fuel pump governor setting on ME engines is to keep revolutions per minute (rpm) steady. However, with steady rpm, the engine load will vary depending on external conditions such as changing weather conditions. This triggers a fluctuating fuel index as shown in the figure, which will increase the wear on the cylinder liners.

Longer time between overhaul of cylinder liners and piston rings

To avoid these fuel index fluctuations and to improve the cylinder liner condition, EcoTorque allows the engine speed to drift within a specified speed range based on the selected engine speed. This means that the fuel index will remain steady despite changing external conditions, which will prevent excessive strain on the engine.

Lower specific fuel oil consumption (SFOC)

The stabilized fuel index results in lower fuel consumption. Compared with “rpm mode”, experience has shown that “EcoTorque mode” reduces the SFOC by approx. 1 g/kWh at the same vessel speed. This will also contribute to a positive impact on the Carbon Intensity Indicator (CII) rating and carbon costs in the EU Emissions Trading System (ETS).

Installation of EcoTorque consists in upgrading the software on the main operating panel (MOP). When installed, EcoTorque will automatically be active when the speed setting is at “Full” and above. “EcoTorque mode” will be displayed on the MOP.

Please contact your Everllence PrimeServ office for more details.

Everllence PrimeServ

EcoTorque

Stabilize fuel index and reduce fuel consumption

Key benefits

- Improved cylinder liner condition
- Smoother engine operation
- The effect of external conditions on engine operation is minimized
- Prolongs the time between overhauls for cylinder liners and piston rings
- Approx. 1 g/kWh lower SFOC than in “rpm mode”
- Easy installation – no attendance required by Everllence PrimeServ (installation with the parameter update tool (PUT))
- Great return on investment

Scope of supply

EcoTorque software, including PUT

Applicable to

All Everllence B&W ME/ME-C/ME-B engines with FPP propeller

More information

Contact your local Everllence PrimeServ office for more information about the product and how the upgrade can improve your specific engine.

Everllence PrimeServ

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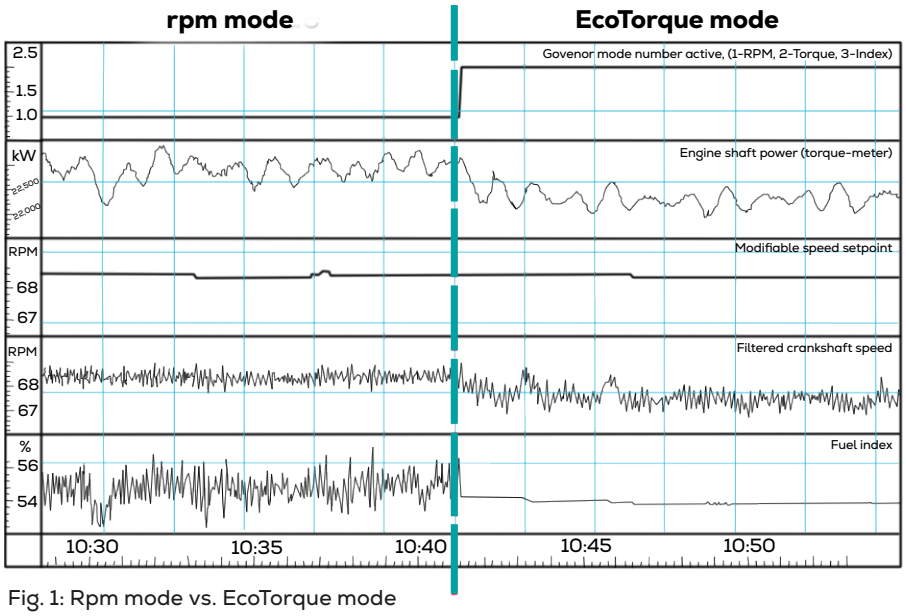

Fig. 1: Rpm mode vs. EcoTorque mode