

EcoTorque

EcoTorque is a fuel pump governor control system developed to save fuel oil and optimize engine wear in medium swelling seas.

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 varies depending on external conditions such as in medium swelling seas. This causes fluctuations in the fuel index which increase fuel oil consumption and wear on the cylinder liners.

Stabilized fuel index and optimized operation

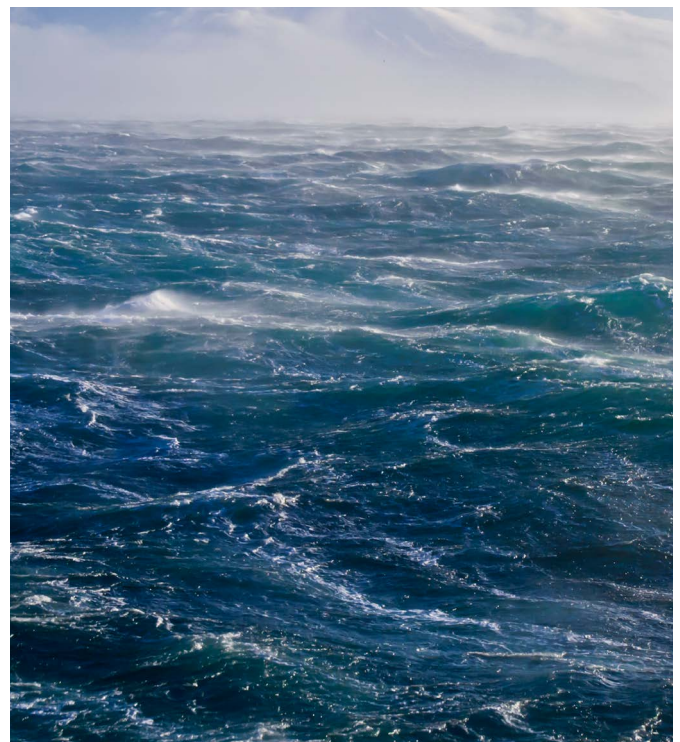
To prevent fuel index fluctuations, EcoTorque allows the engine to drift within a specified range based on the selected engine speed. This keeps the fuel index stable despite changing external conditions, optimizing the fuel oil consumption and reducing excessive strain on the engine.

Lower specific fuel oil consumption (SFOC)

The stabilized fuel index results in measurable fuel oil savings. Compared to "RPM mode", experience shows that EcoTorque reduces the SFOC by approximately 0.7 g/kWh at the same vessel speed. This improvement contributes to a positive impact on the Carbon Intensity Indicator (CII) rating and helps reduce carbon costs in the EU Emissions Trading System (ETS).

Installation of EcoTorque consists of upgrading the software on the main operating panel (MOP). When installed, EcoTorque will automatically be active when the speed setting is at maneuvering full. "EcoTorque mode" will be displayed on the MOP.

Please contact your Everllence PrimeServ office for more details.



EcoTorque

Stabilize fuel index and reduce fuel consumption

Key benefits

- Approx. 0.7 g/kWh lower SFOC
- Improved cylinder liner condition
- Smoother engine operation
- Minimizes the impact of external conditions on engine performance
- Extends time between overhauls for cylinder liners and piston rings
- Easy installation with no attendance required by Everllence PrimeServ (installation via parameter update tool (PUT))
- Excellent return on investment

Scope of supply

- EcoTorque software, including parameter update tool (PUT)
- EcoTorque requires minimum hardware specifications, which we will verify during pre-inspection

Applicable to

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

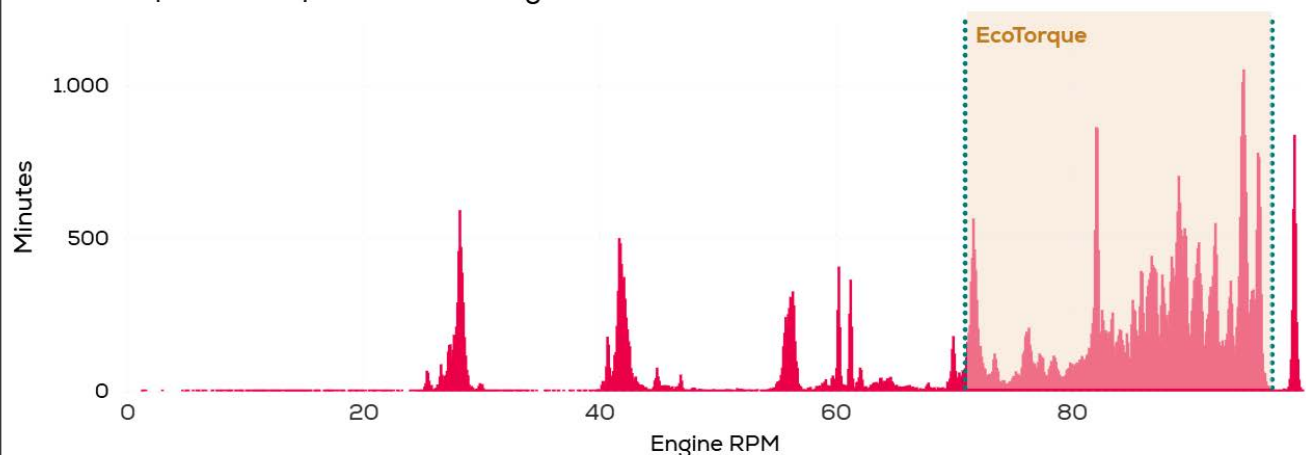
More information

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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Case Example: EcoTorque activation ranges



EcoTorque automatically activates at maneuvering full.