

AutoTorque

AutoTorque is a fully automatic engine control upgrade that optimizes engine speed in medium swelling seas, reducing fuel oil consumption and eliminating manual governor mode selection.

At Everllence, we strive to support ship operators in meeting the demands of modern shipping by enhancing our solutions for greater efficiency, reliability, and sustainability. This is why we developed AutoTorque, a retrofit upgrade build on the proven EcoTorque system. With its new features, AutoTorque enables shipowners to further optimize fuel consumption.

Greater activation and automatic system

AutoTorque is an upgrade to the ME engine control system, designed to automatically deliver stable and efficient engine performance in medium swelling seas. In such conditions, traditional engine control systems maintain a steady RPM, but the engine load varies as the propeller encounters resistance from waves, leading to increased fuel oil consumption.

Built on the EcoTorque system, AutoTorque includes all its benefits with a greater activation range across the entire engine load profile and a new automatic governor system. Unlike EcoTorque, which operates at maneuvering full, AutoTorque activates as soon as the engine reaches its minimum operating RPM. This ensures full optimization across the entire engine load profile, operating up to twice as often as EcoTorque.

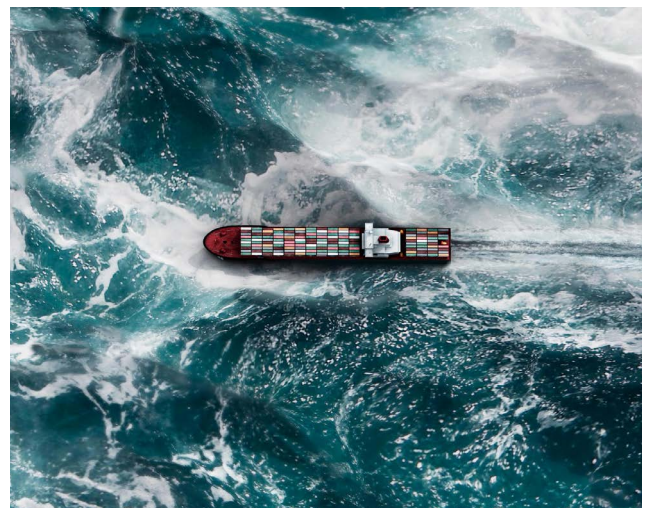
As a result, fuel oil savings of 0.7 g/kWh can be achieved – and even up to twice as often thanks to AutoTorque's extended engine activation range.

Additionally, AutoTorque includes an automatic control feature, powered by a new governor system that continuously monitors engine conditions and automatically selects the optimal engine governor mode. When activated, the system transitions from RPM to Torque Mode via a two-stage gain control, allowing the engine to respond more smoothly to fluctuating propeller loads in medium swelling seas.

Easy to use, easy to control

AutoTorque is integrated in the Main Operating Panel (MOP), providing operators with a clear overview of the current governor mode and helpful tooltips. From MOP, AutoTorque can be switched off at any time, reverting control back to RPM Mode.

Installing AutoTorque requires an ECS software upgrade performed by Everllence. This upgrade is compatible with systems that meet a minimum hardware specification, which we will verify during the pre-inspection to ensure a smooth installation process.



AutoTorque

Fully automatic engine control upgrade for better fuel savings

Key benefits

- Fuel oil savings of 0.7 g/kWh
- Fuel savings across the entire engine load range, operating twice as often as EcoTorque
- Automatic and adaptive governor system optimizes operation and minimizes manual crew interaction
- Improved environmental compliance gained from operational fuel oil savings
- Reduced wear and tear on the engine
- Easy monitoring via the Main Operating Panel (MOP)

Scope of supply

- Software update to the latest ECS version
- SPAF modification
- License activation key
- AutoTorque requires minimum hardware specifications, which we will verify during pre-inspection

Applicable to

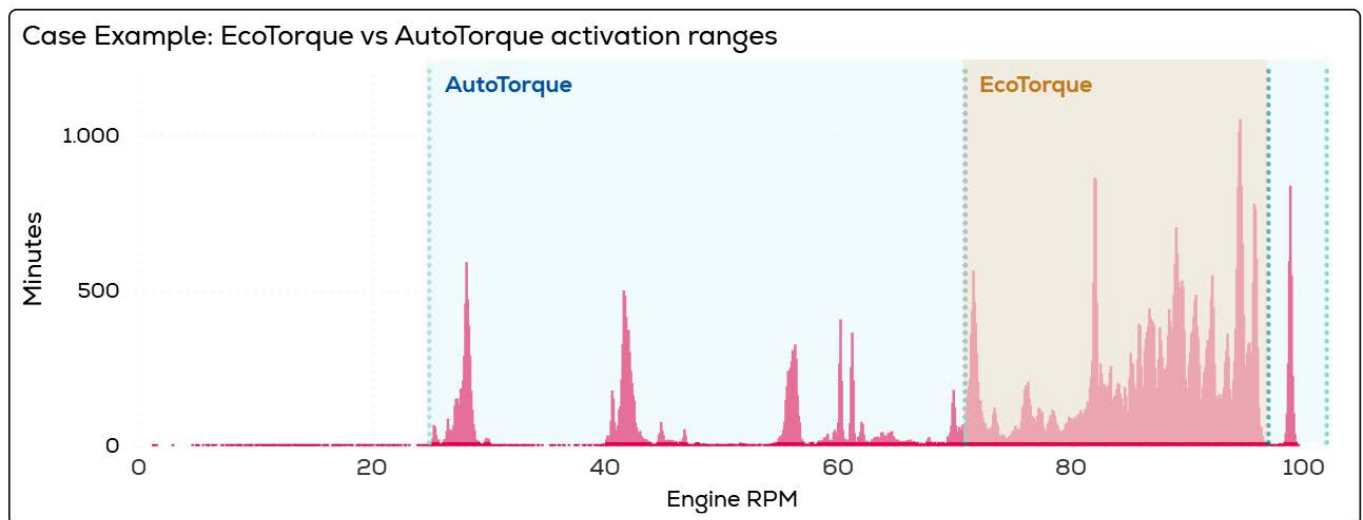
- All Everllence B&W ME-C engines
- Everllence B&W ME-B Tier III

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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AutoTorque remains active across the entire engine load profile