

EcoTuning

EcoTuning is a tailor-engineered part-load tuning that reduces the engine's fuel oil consumption significantly, supporting your in-service fleet's decarbonization.

In a time where shipowners and operators are challenged by increasing fuel costs and emission regulations such as the Carbon Intensity Indicator, the Emissions Trading System (EU ETS), and the FuelEU Maritime directives, EcoTuning offers a proven solution to save fuel oil and support the regulatory compliance of your fleet.

EcoTuning is a powerful retrofit part-load tuning, tailor-engineered for each individual engine system, and specifically designed for Everllence B&W two-stroke ME and ME-C single-fuel Tier I and II engines.

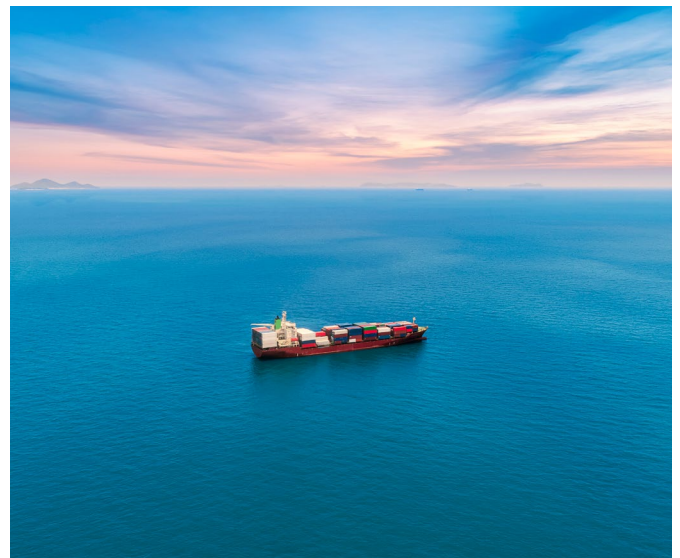
This engine tuning solution secures significant fuel oil savings, resulting in reduced CO₂ emissions and fuel costs.

Using engineering calibration, EcoTuning increases engine efficiency. This is achieved through software-based fine-tuning of the maximum combustion pressure across the entire load range. As a result, the combustion pressure will match the load profile of your specific vessel.

EcoTuning provides an optimized engine performance layout and includes a NO_x recertification. As a result, the NO_x Technical File must be amended to ensure compliance across all relevant IMO NO_x regulations. And as the engineering analysis behind EcoTuning is based on correction factors, no sea trials or service tests are needed.

The EcoTuning, installation and commissioning process is easy. An update of the engine performance parameters is all that is needed, and there is no need for hardware component modifications or replacements. This means no operational downtime.

Ask your Everllence PrimeServ office for more details.



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Optimizing your fleet's fuel savings and decarbonization

Key benefits

- Significant fuel oil savings up to 7 g/kwh, depending on the desired load profile
- Substantial emission reductions support higher Carbon Intensity Indicator ratings and stronger decarbonization regulatory compliance
- Simple installation with no operational downtime
- No requirement for sea trials or service tests
- EcoTuning can be updated if your vessel's operations pattern change, ensuring peak performance

Scope of supply

- The optimized performance layout for the engine
- An updated torsional vibration calculation for the engine
- Amendment of the IMO NO_x Technical File

Applicable to

- All Everllence B&W ME and ME-C single-fuel Tier I and II engines
- EcoTuning is not applicable for vessels fitted with Turbocharger Cut-Out or vessels limited (EEXI) to a power below 75% MCR

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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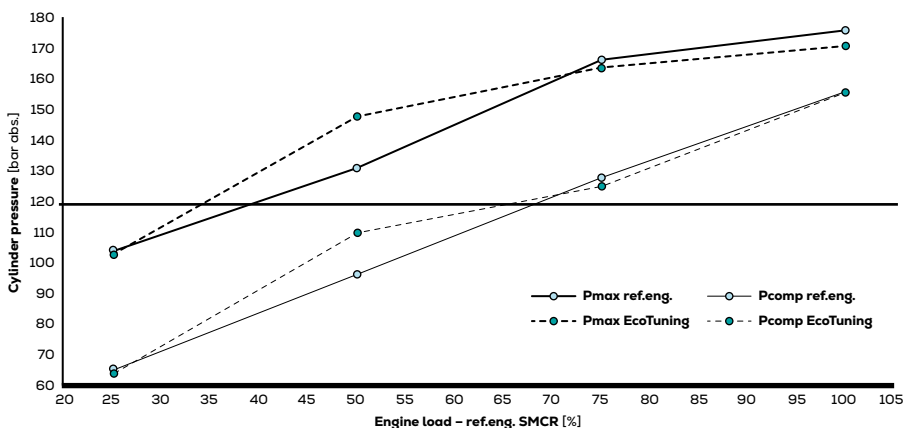


Figure 1: EcoTuning cylinder pressure vs. engine load