

EcoCam

The EcoCam provides a variable cam profile with no mechanical modifications. It improves the combustion and lowers specific fuel oil consumption (SFOC) during slow steaming.

EcoCam increases the cylinder pressure by adjusting the closing time of the exhaust valves according to engine load. This leads to more efficient combustion and results in fuel savings within the load range.

The automatic control activates the EcoCam when the engine load is below 60% of maximum continuous rating (MCR), and switches it off below 10% and above 60% of MCR.

Flexible cam profile optimized for slow steaming

The EcoCam is a simple, low-cost, fuel-saving product for mechanical engines with an exhaust cam profile. The system facilitates slow steaming thanks to the variable cam profile, which does not require any mechanical modification of the cam-shaft. A solenoid valve drains the hydraulic oil from the exhaust actuator to reduce the pressure and close the exhaust valve. The tachometer system governs the draining frequency.

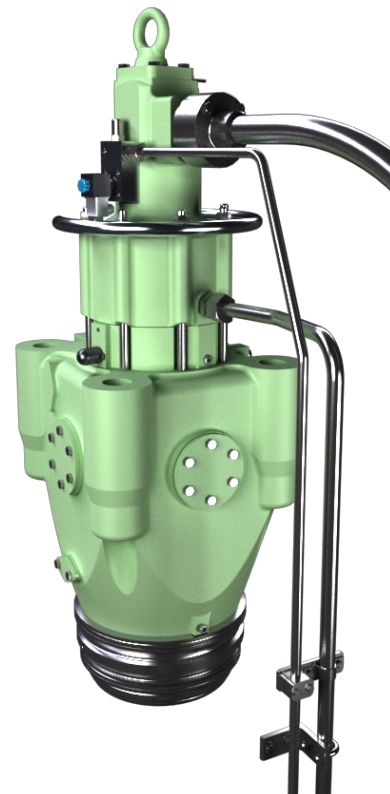
Lower SFOC means lower emissions

Earlier closing of the exhaust valve increases the cylinder compression, which improves the combustion and lowers the fuel-oil consumption. Depending on the engine load profile, the EcoCam typically generates SFOC savings in the range of 2 to 6 g/kW.

A technical file amendment is not required as changes, if any, in the relative differences of P_{comp} and P_{max} will be insignificant.

The simple installation contributes to a high return on investment.

Please contact your Everllence PrimeServ office for more details.



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Save fuel, reduce CO₂ and improve combustion

Key benefits

- Fuel savings between 2 and 6 g/kWh
- CO₂ reduction in proportion to fuel savings, contributing to improved Carbon Intensity Indicator (CII) rating and lower EU Emissions Trading System (ETS) costs
- Slow steaming with operational flexibility
- Easy installation
- High return on investment
- Easy to operate (automatic)
- Effective between 10% to 60% load
- No exchange of exhaust cam required

Scope of supply

- EcoCam unit consisting of:
 - Distributor block
 - Oil cylinder
 - Drain system
- Control system
- Operating panel

Applicable to

Everllence B&W S50/S60/S70 MC-C engines with a wide cam profile

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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