



## POLSHIP

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# RENERGI

Reduce pollution,  
increase your profits

## TREATMENT WITH THE MERGI™ COMBUSTION CATALYST.

**Purpose:** MERGI™ Combustion Catalyst reduces the ignition delay of fuel, which improves the combustion efficiency. This results in lower maintenance cost as well as lower fuel consumption. It also allows for the use of lower quality fuels and reduces the emission of CO, NOx and HC.

**Application:** The combustion of fuels, such as heavy fuel, MDO, gas oil, gasoline/ petrol, diesel.

**Application System:** Marine and stationary engines: slow, medium and high speed, boilers, cars and trucks.

**Application Method:** For civil use in trucks and cars, we supply special dosage bottles, or MERGI™ Combustion Catalyst may be introduced to the tanks at dedicated filling stations for fleet users. For marine use, a fully automated dosage system will be supplied that is connected to and activated by the transfer pump.

**Documentations:** Field and laboratory tests are available: DNV, Fueltech, Wroclaw University of Technology, Marintek, University of Technology Delft. We also have documentation of tests by well-known shipping companies and ship managers, who, after thorough investigation decided to continue to use product MERGI™ on an on-going basis.

**Quality Control:** The Swedish National Testing and Research Institute continuously checks MERGI™ Combustion catalyst.

**Availability:** MERGI™ is available globally from our stock points in Europe, Asia, Middle East.

## FACTS

MERGI™ Combustion Catalyst reduces the ignition delay of heavy fuels by 8,8 % and light fuels by 10 %.

Reduction of fuel consumption by 4 % was found by DNV at 41 % - 83 % load.

Reduction of exhaust gas temperature of between 15 °C- 40 °C.

Reduction of CO, HC and NOx emissions by 53 %, 40 % and 11 % respectively has been reported by Wroclaw University of Technology, Poland.

## PROBLEM SOLVING

Problems have been solved in the areas of fuel consumption, CO, NOx and HC emissions, piston ring breakage and seizure, ring and liner wear, fouling of turbo-chargers, exhaust valve burning and fouling of the economizers.

Complete combustion means: Less engine maintenance, fuel savings and reduction of CO, NOx and HC emissions.

The fuel savings alone more than pays for the cost of using MERGI™.

