



Certified



Corporation



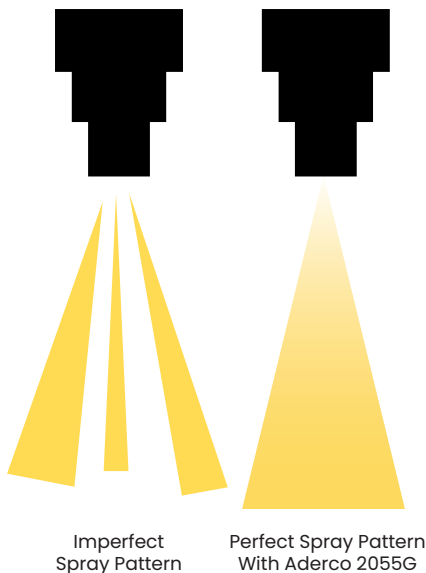
Aderco 2055G
CII Emissions

ADERCO IMPROVES YOUR CII PERFORMANCE!

Aderco's additives contribute greatly to the reduction of greenhouse gas (GHG) emissions for both its customers and the world in general. By using Aderco environmentally friendly products, the emission of GHG is minimized.

ADERCO 2055G is a powerful surfactant based additive that reduces sludge, stabilises your fuel and brings back consumption and emissions levels of your engines to original manufacturers values, or even better.

This is possible through our proprietary technology that breaks surface tension between the fuel particles and allows heavy molecular particles, such as water and Catfines, to settle at the bottom of the tank for ease of removal.



This break in particle tension creates a series of improvement in fuel atomisation, injector spray pattern, ignition and combustion. In practical terms, ADERCO 2055G improves fuel combustion and as such Specific Fuel-Oil Consumption (SFOC) is reduced resulting in less unburnt residue in the engine and exhaust systems. This produces substantial decrease in soot, black smoke and overall emissions.

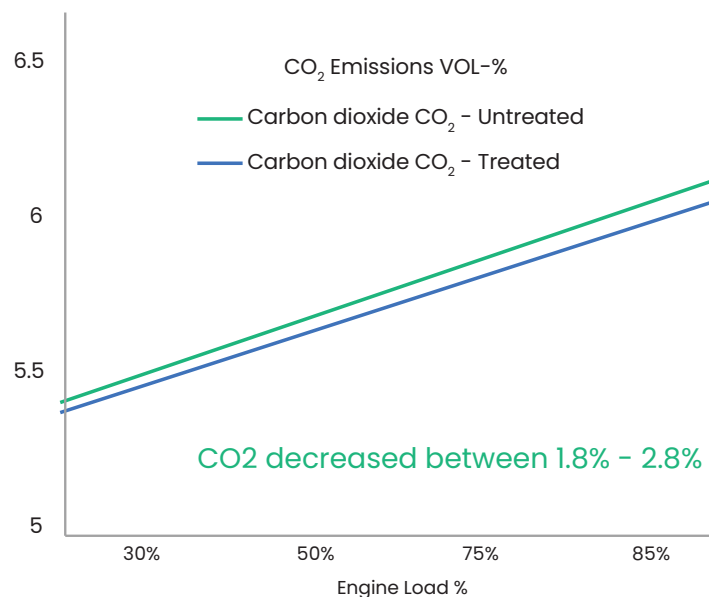
In our DNV supervised test with Nanyang Technological University, Singapore:

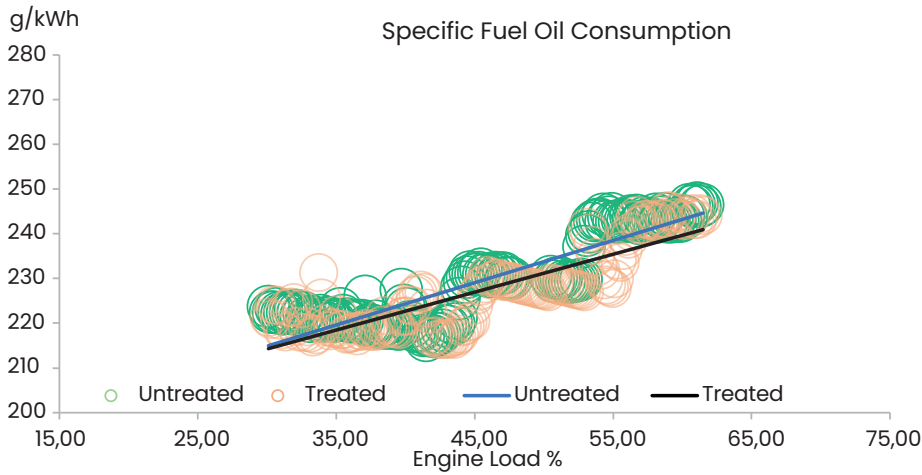
A reduction of 1.5% - 2.5% in SFOC was achieved.

A reduction of 1.8% - 2.8% in emissions was achieved.

EMISSION AND CONSUMPTION WITH ADERCO 2055G

Engine: 1.5MW Daihatsu
Treatment: ADERCO 2055G
CO₂ Emission: 2.6% reduction
SFOC: 2.5% reduction





Fuel Consumption reduced between 1.5% - 2.5%

Carbon Intensity Indicator (CII)

The Carbon Intensity Indicator (CII) is a rating measurement of how efficiently a ship transports goods or passengers and is given in grams of CO2 emitted per ton cargo-carrying capacity and nautical mile. The ship is then given an annual rating ranging from A to E, whereby the rating thresholds will become increasingly stringent towards 2030.

		Without ADERCO	With ADERCO (- 2.8% CO2)
Distance Travelled (NM)		61500	61500
CO2 Emissions (ton)		17000	16524
Attained CII		4.46	4.33
Required CII in 2023	4.71	C	B
Required CII in 2024	4.61	C	B
Required CII in 2025	4.51	C	C
Required CII in 2026	4.41	D	C

CII rating expressed in colour



- ADERCO 2055G reduces between 1.8% to 2.8% of CO2 emissions
- CO2 Emissions reduced for the same vessel voyage
- Based on ClassNK annual rating calculation

Benefits of ADERCO 2055G with only 1 product:

- Reduces drastically sludge build-up in the tanks – Keeping the tanks clean/sludge-free and reducing by such the risk for incompatibility with future fuels.
- Improvement in fuel stability and minimises incompatibility
- Separating totally the H2O and by such reducing bacterial contamination, oxidation and increasing shelf life of fuel
- Improvement in atomisation and injection spray pattern.
- Increasing operational efficiency on Turbocharger, Exhaust Gas Boiler and Scrubber
- Reduction in fuel consumption and emissions
- Highly concentrated in dosage to minimise delivery cost.



ADERCO STOCKS



For more information contact technical@aderco.com or info@aderco.com