

# CARECLEAN ACC

**For manual and “in service” cleaning of Diesel Engine charge Air Coolers and Turbochargers**

## DESCRIPTION

Careclean ACC is a liquid blend of cleaning and anti-corrosive agents. Careclean ACC cleans the air side of the charge air cooler, turbo-charger and scavenging air system, by dissolving any lube-oil and fuel-oil contamination as well as contaminations entered via the air inlet. Careclean ACC protects all metals against corrosion by a film forming agent.

## ADVANTAGE

Keeping the turbocharger and the charge air cooler clean, creates a constant high efficiency, resulting in low fuel consumption of the diesel engines.

## APPLICATIONS

*Direct injection* of Careclean ACC into the charge air cooler trunking or into the airstream towards the turbocharger is the best way of maintaining a clean combustion air system. Direct injection can best be done with either a manual or an automated air assisted dosing system.

*Circulation “in situ”* of the charge air cooler is for some engine designs well possible. Circulation with Careclean ACC over the cooler at a liquid temperature of 50 °C is preferred. Cleaning time depends on the level of contamination, 2 - 4 hours. After draining, the system has to be well flushed with fresh water and then dried with compressed air.

## INJECTION SYSTEMS

Marine Care offers a complete range of ACC dosing systems customized for your engine type.

- Effective removal of all contaminations
- Anti corrosive
- Completely combustible
- No impact on cylinder oil films
- Approved by:
  - > Marinfloc

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## DIRECTIONS FOR USE:

### *Charge Air Coolers:*

Careclean ACC is used as a blend with water in a ratio of 2 parts of water and 1 part of Careclean ACC (mixing only in this order).

After blending the mixture should be used directly. Soaking time is 5 - 10 minutes, followed by flushing with fresh water. Flushing should be done with double the amount of the Water/ACC cleaning mixture.

### *Turbochargers:*

For cleaning the airside of the turbocharger, follow the engine manufacturer's instructions, regarding the engine load and water amount that is subscribed. Use the waterwash system, with a mixture of 2 parts water and 1 part ACC. Flush after a soaking time of 5 - 10 minutes with freshwater once.

### *Cleaning sequence:*

Badly fouled systems should be cleaned every 24 hours, average fouled systems should be cleaned at an interval of 48 hours.

Note: do not attempt to clean a heavily fouled turbocharger, as removal of the deposits could cause imbalance of the rotor.

## DOSAGE

Charge Air Coolers, 3 ltr. Careclean ACC per m<sup>2</sup> of cooling area, or according the following table.

5.000 - 10.000 kW	3 ltr. Mixture
10.000 - 20.000 kW	4,5 ltr. Mixture
20.000 - more kW	6 ltr. Mixture

## PROPERTIES

Article number	14107
pH	Not applicable
Density	0,85 g/cm <sup>3</sup>
Flashpoint	> 62 °C
Physical state	Liquid

## APPROVALS

- Marinfloc Approved OWS Compatible

For detailed information on safety and health, please refer to the Material Safety Data Sheet MSDS and/or product label.

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