



**MARINE
CARE**

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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CARECLEAN ACC

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 m² 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 ³ |
| 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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