

## DESCRIPTION

ACC/ME air cooler cleaner is a patented\*, stable microemulsion cleaner, which, when sprayed on soiled parts of an air cooler, penetrates and dissolves accumulated deposits, oil and grease. ACC/ME air cooler cleaner can be used for “in-service” cleaning or by spraying or soaking air coolers out of service. When used to clean out of service air coolers, the process is followed by either a fresh water rinse or a compressed air blowing.

## APPLICATION & USE

During engine operation, the fins and tubes of air coolers become fouled with oil, grease, sea salts, dust and other airborne contaminants. These contaminants are deposited on the cooling surfaces when air from the turbochargers passes through the air cooler.

Deposits of these materials can severely reduce the efficiency of air coolers, and thereby affect engine operation. ACC/ME air cooler cleaner penetrates and disperses the deposits, dissolving oily matter and hydrocarbon materials, and loosening insoluble solids so that they can be removed easily.

Following are recommended methods for cleaning with ACC/ME air cooler cleaner. The method used will depend on the type of equipment as well as the nature and extent of the deposits and the recommendation of the engine manufacturer.

\*U.S. Patent No. 5,723,430

## METHOD OF USE

### 1. “In-Service” Cleaning of the Cooler

Using an ACC/ME dosing unit, ACC/ME air cooler cleaner is injected into the air cooler trunk and sprayed over the air cooler while in service. Use while engine is running at full/partial load (per engine manufacturer’s recommendations). Dosage rate is:

- PM Dosing Unit (4-stroke engine): Add 3 liters ACC/ME air cooler cleaner to 3 liters of water
- PS Dosing Unit (2-stroke engine): Add 10 liters ACC/ME air cooler cleaner to 10 liters of water

### 2. Spraying of the Cooler

Remove the cooler covers or inspection doors and spray with ACC/ME air cooler cleaner into the tube nest with a spray nozzle followed by a rinsing spray of fresh water or compressed air.

### 3. Soaking the Cooler in a Cleaner Bath

Remove the cooler from the engine and soak it in a bath or tank of ACC/ME air cooler cleaner followed by a fresh water rinse or compressed air blow after sufficient soaking time.

### 4. Soaking the Cooler In-Situ

Blank off and flood the tube nest with the ACC/ME air cooler cleaner emulsion. Agitate the cleaner with steam or compressed air. When completed, rinse with freshwater

### 5. Closed-Loop Circulation of Cooler

The “closed-loop” cleaning circuit used in this method consists of permanently mounted nozzles connected to a high volume diaphragm or centrifugal pump, which draws suction from a cleaning solution tank. With the pump on, the nozzles spray ACC/ME air cooler cleaner solution over the entire surface of the air cooler. The ACC/ME air cooler cleaner solution then drains through the cooler nest to a recirculating line which returns it to the solution tank.

**NOTE: THE ENGINES MUST BE SECURED DURING THIS OPERATION.**

### 6. General Parts Cleaning by Soaking

Removable parts may be soaked in a tank of ACC/ME air cooler cleaner. When deposits are thick or baked-on hard, the solvent should be stirred by mechanical agitation. After soaking, wash off any adhering deposits by hosing with water and blow with compressed air until dry.

Details of these methods may vary according to the discretion of the engineer and the apparatus available.



Contact your Drew Marine representative for more information

## TYPICAL PROPERTIES

Appearance:	Slightly hazy water white to slightly hazy light straw liquid
Specific Gravity @ 25°C:	1.01
pH:	11.1

**NOTE:** Always wear the appropriate personal protective equipment when using this product.

## PACKAGING

ACC/ME air cooler cleaner is available in 25-liter containers (PCN 4226404).

## IMPORTANT INFORMATION

Drew Marine maintains Safety Data Sheets on all of its products. These documents contain health and safety information for the development of appropriate product handling procedures to protect your employees. Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Drew Marine products.

### FEATURES

- Microemulsion cleaner
- In-service cleaner
- Solvent-free
- Free-rinsing
- Contains no chlorinated solvents
- Versatile

### BENEFITS

- Highly effective cleaner for removal of grease, oil and carbon deposits
- Reduces time and maintenance associated with off-line cleaning
- Helps maintain designed air cooler effectiveness
- Compatible with oily water separators
- Does not leave a residue
- Enhanced environmental position
- Safe to handle and store
- In-service cleaning
- Spraying method
- Soaking method



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