

## DESCRIPTION

ACC-9 is a combination of non-abrasive, non-corrosive solvents, detergents and inhibitors. When sprayed on soiled parts of an air cooler, ACC-9 penetrates and dissolves accumulated deposits, oil and grease so they can be removed by blowing with compressed air or rinsing with a stream of water. ACC-9 is highly effective in cleaning soiled air coolers as well as all types of engine parts.

## APPLICATION & USE

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

Deposits of these foulants can severely reduce the efficiency of air coolers and thereby affect engine operation. ACC-9 penetrates these deposits, dissolving oily matter and hydrocarbon materials and loosening insoluble solids so that they can easily be removed with a stream of water.

Following are recommended procedures for cleaning with ACC-9. The method used will depend on the type of equipment, the nature and extent of the deposits and the recommendation of the engine manufacturer.

**When using ACC-9 to make a cleaning emulsion, the correct order of adding ACC-9 to the water is important. A water emulsion with ACC-9 is prepared by mixing one part ACC-9 with two parts water. Always add ACC-9 to water. Never add water to ACC-9. The resulting emulsion is non-flammable, non-explosive and has no flash point. In addition, the emulsion should be used within two hours of mixing.**

### 1. "In-Service" Cleaning of the Cooler

Using an ACC-9 dosing unit, an ACC-9 emulsion is injected into the air cooler trunk and sprayed over the air cooler while inservice. The cleaning is then followed by a water rinse following the same procedure. This method is approved and endorsed by major manufacturers of slow and medium-speed engines.

### 2. Spraying of the Cooler

Remove the cooler covers or inspection doors and spray on ACC-9 emulsion into the tube nest with a high pressure jet 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-9 followed by a fresh water rinse or compressed air blow (after sufficient soaking time).

### 4. Soaking the Cooler In-Situ

Blank off the cooler outlet and flood the tube nest with ACC-9™ emulsion. Usually the cleaner is agitated with steam or compressed air. A connection is provided for draining the cooler. When completed, the cleaning is followed by rinsing with fresh water.

### 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 neat ACC-9 over the entire surface of the air cooler. ACC-9 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

Parts may be removed and may be soaked in a tank of ACC-9 cleaner. When deposits are thick or baked-on hard, the solvent should be stirred by a mechanical agitator.

After soaking, rinse 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:	Clear, violet liquid
Specific Gravity @25°C:	1.02 - 1.04
Flash Point (PMCC):	68.8° C min.

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

## PACKAGING

ACC-9 air cooler cleaner is available in 25-liter containers (PCN 0048406).

## IMPORTANT INFORMATION

Drew Marine maintains Safety Data Sheets on all of its products. Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees.

Our Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Drew Marine products.

### FEATURES

- Concentrated blend of dispersants and solvents
- Water emulsifiable
- In-service cleaner
- Compatible with diesel systems
- Proven performance
- Versatile

### BENEFITS

- Highly effective for removal of grease, oil and carbon deposits
- Cost effective
- Eliminates flash point
- Reduces time and maintenance associated with offline cleaning
- Helps maintain designed air cooler effectiveness
- Does not adversely affect cylinder lubricant film
- Does not form harmful combination products
- Reduces risk of damage to engine due to air cooler inefficiency
- In-service clean
- Spraying method
- Soaking method



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