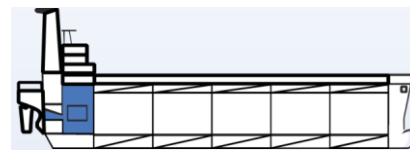


MAINTENANCE

AIR COOLER CLEANER XR

AIR COOLER, TURBO CHARGER & ENGINE PARTS CLEANER



DESCRIPTION

AIR COOLER CLEANER XR is a combination of powerful, non-corrosive solvents, detergents and inhibitors. When sprayed on soiled parts of an air cooler, it penetrates and dissolves accumulated deposits, oil and grease. Contaminations can then be removed by blowing with compressed air or washing with water. **AIR COOLER CLEANER XR** is also highly effective in cleaning all types of engine parts.

APPLICATION

AIR COOLER CLEANER XR is perfect for cleaning the fins and tubes of air coolers that have become fouled with oil, grease, sea salts, dust and carbonaceous residues. Deposits of these materials can severely reduce the efficiency of air coolers and thereby affect engine operation. **AIR COOLER CLEANER XR** penetrates these deposits, dissolving oil matter and hydrocarbon materials and softening insoluble solids so that they can easily be removed.

USE AND DOSING

Prepare a cleaning emulsion, by mixing one part **AIR COOLER CLEANER XR** with 2-3 parts water, always adding the chemical to the water. When cleaning turbocharger exhaust side, the quantity of **AIR COOLER CLEANER XR** can be reduced to 10%.

In-Service Cleaning:

Using a permanently installed or portable injection apparatus, the emulsion is injected into the air cooler trunk and sprayed over the air cooler while in-service. The cleaning is then followed by a water rinse following the same procedure.

The cleaning frequency depends on the amount of air cooler fouling. At the early stages, it is recommended to repeat the cleaning procedure every 24 hours and slowly reduce the frequency of application.

This method is approved and endorsed by major manufacturers of slow and medium speed engines. However, apply only if approved by your engine manufacturer.

Out of service cleaning:

Spraying: This involves removal of the cooler covers or inspection doors and spraying with **AIR COOLER CLEANER XR** emulsion into the tube nest with a high-pressure jet followed by a rinsing spray of fresh water or compressed air.

Soaking the Cooler in a Cleaner Bath: This involves removing the cooler from the engine and soaking it in a bath or tank of undiluted **AIR COOLER CLEANER XR** followed by a freshwater rinse or compressed air blow after sufficient soaking time.

- ✓ Highly effective cleaner for removal of grease, oil and carbon deposits from air coolers, turbochargers and scavenging systems
- ✓ Concentrated blend of dispersants and solvents
- ✓ Highly effective in-service cleaner
- ✓ Reduces time and maintenance associated with off-line cleaning
- ✓ Reduces risk of damage to engine due to air cooler inefficiency
- ✓ May be used for carbon deposits cleaning of machinery parts
- ✓ No harmful effect to engines.

PROBLEMS SOLVED

- ✓ Grease, oil and carbon deposits from air coolers, turbochargers and scavenging systems
- ✓ Various cleaning tasks

APPLICATION AREAS

- ✓ Air coolers
- ✓ Turbochargers
- ✓ Scavenging system of marine engines
- ✓ Machinery parts

PRODUCT CODE: MC 062

Soaking the Cooler In-Situ: With this method, the cooler outlet is blanked off and the tube nest is flooded with **AIR COOLER CLEANER XR** 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 freshwater.

General Parts Cleaning by Soaking: Removable parts may be soaked in a tank of **AIR COOLER CLEANER XR** cleaner. When deposits are thick or baked-on hard, the solvent should be stirred by a mechanical agitator. 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.

PRODUCT PROPERTIES

Compatible with all normally used metals and their alloys. Rubber/synthetic rubber may swell. General Instructions: Avoid spillage, splashing and mishandling. Precautionary measures for body protection are strongly recommended before and during use.

Appearance:	Liquid	pH:	N/A
Type:	Organic based	Pour Point:	< - 15°C