



DESCRIPTION

ACC NG is a powerful cleaning product that contains biodegradable surfactants, strong emulsifying agents and low toxicity solvents. It replaces the use of cleaning products containing toxic hydrocarbons, chlorinated solvents and nonyl phenol ethoxylates, without affecting its cleaning ability at all.

ACC NG contains substances not toxic for the environment. It attacks, penetrates and completely removes mineral oils, grease, soot and other carbonaceous deposits from air coolers and turbochargers in two & four stroke marine diesel engines.

ADVANTAGES & CHARACTERISTICS

- ◆ Ideal for the removal of oil, grease, soot and carbon deposits.
- ◆ Highly efficient when used for air coolers and turbochargers.
- ◆ Can safely be used, especially, when in operation without damaging the engine or running the risk of fire.
- ◆ Contains biodegradable surfactants, strong emulsifying agents and low toxicity solvents.
- ◆ Maintains and keeps the air cooler clean so that the air input inside the cylinder is increased, this results in the maximization of horsepower and fuel combustion.
- ◆ Minimizes fuel consumption.
- ◆ Cost effective, easy to handle and apply.
- ▶ **ACC NG** is not harmful to the marine environment as per MARPOL MEPC 63 Annex V Amendment [MEPC.71/17/Add.1 Annex 21, Resolution MEPC 295 (71)].

PHYSICAL PROPERTIES

ACC NG is a liquid compound consisting of corrosion inhibitors, ionic metal surface activators, biodegradable surfactants, and strong emulsifying agents. Moreover, it is important to note that it does not contain chlorinated solvents. A light milky solution is produced when diluted with water.

Appearance	: Clear liquid
Color	: Colorless
Specific gravity	: 0.80 - 0.90 gr/cm ³ at 20°C
Flash Point	: >61°C
Odor	: Odorless



MARICHEM®

PACKAGING

Order Number	: 832583 (25 ltrs)
	: 832183 (210 ltrs)
Container	: Steel drum

APPLICATION AND USE

A. Dosing Procedure

When the engine is in operation, the required quantity to be used is a 1:3 proportion diluted with water.

The frequency of application of the final solution depends mainly on the condition of the engine.

When the engine is not in operation, **ACC NG** can be used either diluted with water or undiluted and in quantities according to the judgement of the user and the degree of deposit accumulation, until such time, that cleaning is complete.

B. Cleaning Procedure

When the engine is in operation, the **ACC NG**/water solution must be injected directly into the top surface area of air cooler and sprayed over it by means of the auxiliary chemical solutions application tank. The solution must be used while the engine is running at full/partial load, as per engine manufacturer's recommendations. Then, rinse with water and dry by blowing with compressed air.

When the engine is not in operation and **AIR COOLER CLEANER** is absent, then **ACC NG** may be used according to the **AIR COOLER CLEANER** instructions.

The application of **ACC NG** solution can be done by the circulation, soaking and the injection method.

Circulation is the method used when dismantling of the air cooler is not possible. In this cleaning procedure the air cooler is connected to a buffer tank with inflow and outflow piping, the **ACC NG** is circulated through, during a period of 4–6 hours by use of a pump. The solution may be heated at a temperature up to 40°C so that we ease the cleaning procedure and accomplish better results. This will significantly reduce the cleaning time, whilst improving the cleaning effect.

Soaking is the method to be used on dismantled air coolers; they should be immersed in a bath filled with undiluted **ACC NG**. In the meantime, the cleaning process can be started by agitating the solution, while heating should be applied at approximately 40°C. Leave to soak for approximately 2 hours, afterwards,

remove from bath, rinse with large amounts of warm water under pressure, then blow-dry with air. Note that the immersion period and heating temperature are dependent on the severity of contamination.

Injection is the method, which should be used for the following cases, those dealing with static, those when dismantling is not possible, and those when the air cooler uses a high-pressure machine. In this procedure, the **ACC NG** is directly injected into the air cooler unit, which is then left to soak for as long as is needed, in order to keep the deposits soft. Afterwards, rinse thoroughly with plenty of fresh warm water using a high pressure supply and blow it dry with air.

► **Note** that if necessary, the cleaning procedure may be repeated depending on the degree of deposit accumulation.

► **This** cleaning method is only recommended if approved by engine manufacturers.

! SAFETY AND HANDLING

HANDLING	Handle with care. Store in a dry, cool and well ventilated environment.
SAFETY	IMMEDIATE ACTIONS
Eye Contact	Avoid Eye contact. Otherwise, flush with plenty of water for a few minutes. Seek medical attention.
Skin Contact	Avoid Skin contact. Otherwise, wash contaminated area thoroughly with water. Seek medical attention.
Inhalation	Do not breathe gas/vapors. In case of insufficient ventilation, wear suitable respiratory equipment. Otherwise, seek fresh air source at once and ask for medical attention immediately.
If Swallowed	Avoid ingestion. If swallowed, do not induce vomiting; seek medical advice immediately and show the label of the product.
GENERAL INSTRUCTIONS	Avoid spillage, splashing and mishandling. Wear suitable protective clothing, gloves and eye/face protection before using the product.

 **Read the Material Safety Data Sheet before using this product.**

For detailed information on safety and health, please refer to Material Safety Data Sheet and/or Product Label.

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