A-520
AIR COOLER CLEANER

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- Effective cleaner for engines' air cooler and turbochargers air and exhaust sides
- Economic and cost effective cleaner
- Maintain air cooler and turbocharger at optimal operation stage
- In-service cleaning
- Avoid unnecessary repairing and down time cost

PRODUCT DESCRIPTION:

A-520 AIR COOLOER CLEANER contains a synergistic blend of organic solvents, halogenated hydrocarbons, emulsifiers wetting and dispersing agents.

APPLICATION:
A-520 AIR COOLOER CLEANER may be used for the cleaning of air coolers on diesel engines when in service.
Dismantled air cooler may be cleaned by soaking in a tank containing A-520 AIR COOLOER CLEANER, or by brushing or hand spraying.

In-situ cleaning
May be accomplished by using a pressure pump and hand lance placed through the air trunk access door with drain to the pump suction. The hand lance should be fitted with a spray nozzle or perforated (following the manufacturer's instruction on in-service cleaning). Apply a 33% solution of A-520 AIR COOLOER CLEANER if the engine is equipped with a dosing pot. Dosage is 2.5 - 3 litres (30%) solution per cooler for every 24 hours, or the amount and frequency may be adjusted as needed, depending on conditions.

Turbochargers
Both air side and exhaust side of turbochargers may be cleaned when dismantled, either by soaking, brushing or hand spraying of A-520 AIR COOLOER CLEANER. Allow for sufficient soaking time.

Air Side
Inject a 33% solution of A-520 AIR COOLOER CLEANER (1 part A-520 AIR COOLOER CLEANER to 2 parts of water) using the dosing pot supplied by the manufacturer, which is connected to the turbocharger. The use of this pot keeps the quantity of cleaning solution under strict control to prevent dosage to the turbocharger or engine.
The quantity of A-520 AIR COOLOER CLEANER solution used should be in accordance with the volume of cleaning water recommended by the engine manufacturer of the turbocharger being cleaned. The injection of A-520 AIR COOLOER CLEANER solution should be done while the engine is aerating at full load. The total amount of the solution should be injected into the blower within 4 to 10 minutes.
After the injection of A-520 AIR COOLOER CLEANER solution, a fresh water rinse should be performed using the same procedures and quantities of water.

The effect of the cleaning operation will show in the increase of supercharging or scavenging pressure, and by the normalization of other temperatures to their rated values.

Exhaust Side
Reduce maximum RPM, and inject a 33% solution of A-520 AIR COOLOER CLEANER into the exhaust system prior to the protecting grids at the turbine inlet. Cleaning should be performed weekly or as needed. The injection of A-520 AIR COOLOER CLEANER should be made through the cleaning system supplied by the turbocharger manufacturer. The amount of cleaning solution to be injected should be in accordance with the volume of cleaning water recommended by the turbocharger manufacturer. The turbine casing should be drained during the cleaning operation. After the cleaning operation has been performed, the turbocharger should be operated for ten minutes at reduced speed in order to ensure thorough drying, normalization of temperatures, etc.

CONTROL

It is recommended that the pressure drop above the air cooler be registered daily. Alternatively, the temperature may be registered at the cooler exit.

Approval: The composition meets the criteria for not being harmful to the marine environment according to MARPOL Annex V and may be discharged into the sea when used to clean cargo holds and external surfaces on ships.

PHYSICAL PROPERTIES

Appearance	: Clear to straw
Relative Density	: 0.88 – 0.98
Form	: Liquid
Flash Point	: > 65°C

Packaging **:** Supplied in 25 litres non-returnable containers.

Important information:

Apex chemicals Safety Data Sheets are available. Safety Data Sheets contain health and safety information for proper products 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.

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