



# ENGINE WATER TREATMENT 25 LTR(9108)

Product group: **653**      Product number: **777703**

NALFLEET™ Engine Water Treatment 9-108™ is a balanced mixture of corrosion inhibitors, formulated to give a high nitrite furnish which is becoming a more frequent requirement for the new generation of high efficiency diesel engines.



## Product information

Use Motor Ship Test Kit 777066 to test and control Nitrite, Chloride and P Alkalinity of your engine cooling water.

## Features

- Contains dispersant for cleaner and more efficient cooling systems
- Does not affect gaskets or hoses
- Compatible with glycols for frost protection.

## Benefits

- Approved by major diesel engine manufacturers
- Simple control test

## Specification

### General

Invent Hazard Material (IMO/EU) classification	C-7
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### Physical properties

Colour	Straw
Density [g/ml]	1.3
Form	Liquid
pH	13.2 - 14.0

## Approvals

Approved by major diesel engine manufacturers

Approved by the UK Dept. of Transport for use in diesel cooling systems where heat from the cooling water is used for distilling sea water for domestic purposes in evaporators on board

Gold approval by CEFAS for use in the UK and Netherlands offshore petroleum industries.

## Directions for use

NALFLEET™ Engine Water Treatment 9-108 is effective in hot and cold water and it is compatible with Glycol when used with anti-freeze. It contains an anti-scalant to minimise scale formation on heat transfer surfaces. It will protect all metals commonly found in engine cooling water systems including cast iron, mild steel, copper, copper alloys, lead and solder.

### For general guidance where aluminium is present:

No aluminium present - Use Engine Water Treatment 9-108 or Rocor NB Liquid

<10% Aluminium - Use NALFLEET 2000 or Cooltreat AL

>10% Aluminium - Use Cooltreat AL

## Dosing Method

Before start up of treatment the system should be flushed to remove all sludge and particulate matter and where necessary cleaned with an oil remover, such as UNITOR™ Commissioning Cleaner 624932 to remove oil and grease deposits.

NALFLEET™ Engine Water Treatment 9-108 should be dosed directly to the cooling system.

### **Sampling and Testing**

The WSS Test Kit provides the necessary equipment to carry out the control tests. Obtain a representative sample of the cooling water. Carry out the tests immediately after sampling (following the instructions given in the Test Kit) and log the results in Waterproof. The results should be sent to WSS as stated in the Waterproof instructions. It is important that testing is carried out at least once per week, to ensure levels of treatment are correct.

### **Dosing and Control**

Dosing should be carried out at the rate of 2.25 liters per ton of water to give the correct product reserve. It is recommended that NALFLEET™ EWT 9-108 is controlled at 700 to 1000ppm Nitrite (1000 to 1500ppm Sodium Nitrite). Control by a simple test for nitrite and pH. Refer to table below for dosing guide.

Nitrite ppm	0	250	500	750	1000
Sodium Nitrite ppm	0	375	750	1125	1500
EWT 9-108 ltr/m3	2.25	1.7	1.2	0.6	0

## **Related products**

### **Accessories**

Test Kit for Nitrite, Chloride and P Alkalinity.

**778907** AQUAGUARD CW CONTROL UNIT

**777066** MOTOR SHIP TEST KIT MO246A.

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