

Product group: 653      Product number: 777711

NALFLEET 2000™ combines film forming corrosion inhibitors with a scale suppressant in liquid form, for ease. NALFLEET 2000™ will protect ferrous metals, copper and copper alloys and all other metals including aluminium components. NALFLEET 2000™ is soluble in water in all proportions. NALFLEET 2000™ does not contain chromates.



Product information

This product supersedes product no: 777041

Features

- Protects all common metals in cooling systems from corrosive attack
- Protects against cavitation erosion
- Minimises sludge and scale deposits
- Compatible with glycols for frost protection
- Safe and simple to apply and handle

Benefits

- Approved by major diesel engine manufacturers
- Simple control test

Specification

General

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

Appearance	Red
Density [g/ml]	1.095 - 1.125
Form	Liquid
Materials compatibility	Stainless Steel, PVC, Polypropylene, Polyethylene, Natural Rubber, Synthetic Rubber, VitonIn
pH	11.1 - 11.8

Approvals

Approved by all major engine manufacturers

Documents

[SDoC and MD for IHM](#)

Directions for use

NALFLEET™2000 has been designed for use in all common types of engine cooling water systems. NALFLEET™ 2000 will protect ferrous metals, copper and copper alloys and all other metals including aluminium components. NALFLEET™ 2000 will not affect rubber gaskets or other non-metallic components within the cooling system.

For general guidance where aluminium is present:

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

With Aluminium - Use NALFLEET 2000 or Cooltreat AL

Sampling and Testing

The WSS Motor Ship Test Kit (777066) 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

Engine cooling systems should be drained, flushed and if necessary, chemically cleaned, to remove old rust and scale deposits before treatment with NALFLEET™ 2000 can begin.

NALFLEET™ 2000 is easy to apply as received, and is fully compatible with water in ethylene glycol solutions. It contains an anti-scalant which helps to keep engine systems clean and free from corrosion and scale formation. NALFLEET™ 2000 maintains design heat transfer efficiencies and extends the life of the engine.

Cases of unusual coolant loss should be checked and remedial action taken. Nalfleet 2000 should be introduced during circulation of the cooling water. NALFLEET™ 2000 is best added by means of a feeder installed on a by-pass to the circulating system or in smaller systems, it can be added directly to the header tank.

Initial treatment is at a rate of 32 liters of NALFLEET™ 2000 per 1m3 of coolant to give a control level of 700 to 1500ppm as nitrite (1,000 to 2,250ppm as sodium nitrite), pH 8.3 to 10.0. Recommended Nitrite residual 840 ppm Nitrite ( 1,260 ppm as Sodium Nitrite) for routine maintenance.

Overdosing with NALFLEET™ 2000 is not harmful to the system. Control by a simple test for nitrite and pH. Refer to table below for guide to dosing.

Nitrite ppm	0	250	500	750	1000	1500
Sodium Nitrite ppm	0	375	750	1125	1500	2250

Nitrite ppm	0	250	500	750	1000	1500
NALFLEET™ 2000 ltr/m3	32	24	16	8	0	0

Related products

Is accessory to

Test Kit for Nitrite, Chloride and P Alkalinity.

777336  
AQUAGUARD CW DOSING SYSTEM

Consumables

777066  
MOTOR SHIP TEST KIT MO246A

Is frequently bought together with

- 571364  
VAPTREAT 25LTR
- 735977  
MAR-71 BIOCIDES 3X5L NOT IN USA&CAN
- 698720  
AUTOTREAT - 25 LTR
- 698712  
OXYGEN SCAVENGER PLUS 25 LTR

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