Wilhelmsen Ships Service

Last updated: 30/06/2026 12:40:43

NALFLEET 2000 5LTR

Product group: **653** Product number: **778640**

Comprehensive Corrosion and Scale Protection for Cooling Systems!

NALFLEET™ 2000 cooling water treatment combines film-forming corrosion inhibitors with a scale suppressant in liquid form for ease of application. It protects ferrous metals, copper, copper alloys, and all other metals, including aluminum components. NALFLEET™ 2000 is soluble in water in all proportions and does not contain chromates.

Product information

Why Choose NALFLEET™2000?

Choosing NALFLEET™ 2000 means opting for reliable protection that covers all components of your cooling system, including aluminum. Its liquid formulation is designed for ease of application and control, making maintenance a breeze.

Industry professionals trust NALFLEET™ 2000 for its proven effectiveness and reliability, ensuring your cooling system performs at its best.

Features

Universal Protection: Protects all common metals in cooling systems from corrosive attack. Cavitation Erosion Protection: Guards against cavitation erosion. Compatibility: Compatible with glycols for frost protection. Ease of Use: Simple to control and safe to apply and handle.

Benefits

Minimises Deposits: Reduces sludge and scale deposits, maintaining system efficiency. Manufacturer Approved: Approved by major diesel engine manufacturers.

Specification

General

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

Physical properties

Colour	Deep red
Density [g/ml]	1.095 - 1.125
Form	Liquid
Freeze Thaw Recovery	Complete
Freezing Point [°C]	<-10
Materials compatibility	Stainless Steel, PVC, Polypropylene, Polyethylene, Natural Rubber, Synthetic Rubber, Viton
pH	11.1 - 11.8
Specific Heat	3.0 J/g.K
Viscosity	1.3 cST

Documents

SDoC and MD for IHM

Directions for use

2000 has been designed for use in all common types of engine cooling water systems. 2000 will protect ferrous metals, copper and copper alloys and all other metals including aluminium components. 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 2000 can begin.

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. 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. 2000 should be introduced during circulation of the cooling water. 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 2000 per 1m3 of coolant to give a control level of 700 to 1,500ppm 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 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
NALFLEET™ 2000 lit/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

698712
OXYGEN SCAVENGER PLUS 25 LTR

698720
AUTOTREAT - 25 LTR

571364
VAPTREAT 25LTR

735977
MAR-71 BIOCIDE (BOX: 3x5 LTR)

This page is printed from:
https://www.wilhelmsen.com/product-catalogue/products/marine-chemicals/water-treatment-chemicals/cooling-water-treatment/nalfleet-2000-5--ltr/

© 2024 Wilhelmsen. All rights reserved.