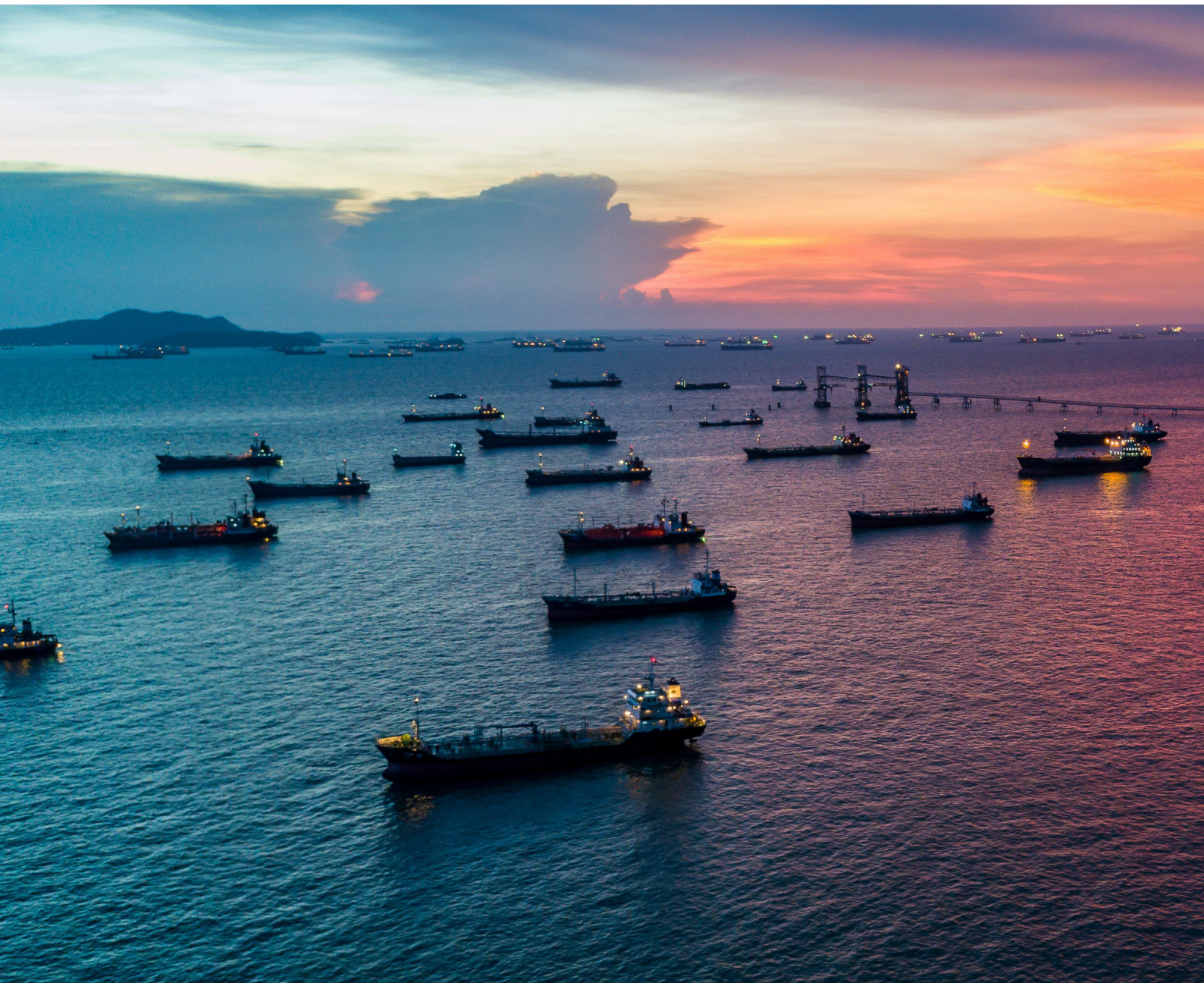


WATER TESTING SOLUTIONS

Marine Boiler & Cooling Water Test Kits



Water Testing Solutions Ltd Unit 11 Wickham Business Centre, Harwood Road, Littlehampton, BN17 7AU, UK
Tel: +44 (0)1903 714199 www.watertestingolutions.com

SHIPSAFE® Marine Boiler and Cooling Water Test Options

The range of SHIPSAFE® marine boiler and cooling water test kits are designed to monitor water treatment chemicals added to diesel engine cooling systems and low, medium or high pressure boilers. The SHIPSAFE® range of reagents supplied are non-hazardous for shipping and the products have been specially selected and combined into a range of specific, fully portable test kits for easy convenient testing on-site. Upgrades are available depending upon treatments used.



SHIPSAFE® Boiler and Cooling Water Test Kits

Engine cooling systems contain carefully blended additives that prevent scale deposits and corrosion of engine waterways. It is very important that the concentration is maintained at the correct level for optimum protection.

Low, medium and high pressure steam boilers are also treated with special corrosion and scale inhibitors. It is vitally important to maintain precise levels of these additives to ensure correct and efficient steam generation. Failure to regularly maintain and monitor treatments will inevitably end in system failure and expensive corrective maintenance.

We supply treatment test kits for engine cooling water and steam boiler water. The kits are very simple to operate and will enable the ships engineer to monitor scale and corrosion concentrations. Regular testing will allow rapid corrective action to take place helping you to maintain optimum operating conditions, minimise downtime and reducing energy costs.

Optional Upgrades:

WTS-B100042 7021 CON/TDS Stick Meter

WTS-B100178 DEHA 0 - 0.5 ppm

WTS-B100037 Glycol Refractometer

WTS-B100183 Hydrazine 0 - 5 ppm

WTS-B100174 Phosphate 0 - 100 ppm

WTS-B100180 Sulphate 0 - 200 ppm

WTS-B100352 Sulphite 20 - 150 ppm

WTS-B100181 Tannin 0 - 200 ppm

WTS-B100030 Suspended Solids 5 - 500 ppm



WTS-K100171 Marine Boiler Water Kit

1 x Plastic Case and Foam

1 x Alkalinity (P) 0 - 2400 ppm (100)

1 x Chloride 20 - 12000 ppm (100)

1 x pH Test Strips 7 - 14 (100)

1 x Instruction Manual

WTS-K100172 Marine Cooling Water Kit

1 x Plastic Case and Foam

1 x Chloride 20 - 12000 ppm (100)

1 x Nitrite 10 - 2000 ppm (100)

1 x pH Test Strips 4 - 10 (100)

1 x Instruction Manual

WTS-K100173 Marine Boiler & Cooling Water Kit

1 x Plastic Case and Foam

1 x Alkalinity (P) 0 - 2400 ppm (100)

1 x Chloride 20 - 12000 ppm (100)

1 x Nitrite 10 - 2000 ppm (100)

1 x pH Test Strips 4 - 10 (100)

1 x pH Test Strips 7 - 14 (100)

1 x Instruction Manual

Tablet Count Boiler and Cooling Water Test Kit Options

Tablet count methods have been historically used in the marine industry. The tablet count process forces the sample water to change colour based on the number of tablets added. The value can then be determined on a conversion table based on the number of tablets it takes for the colour to change.

Tablet count methods are classed as hazardous for shipping and less accurate than the recently developed drop test methods. For non-hazardous options please refer to the SHIPSAFE® range of boiler and cooling water test kits.



WTS-K100606 310 Boiler Water Kit

- 1 x Plastic Case and Foam
- 2 x Alkalinity (P) Tablets (250)
- 2 x Chloride Tablets (250)
- 1 x pH Test Strips 7 - 14 (100)
- 1 x Instruction Manual

WTS-K100437 309 Cooling Water Kit

- 1 x Plastic Case and Foam
- 1 x Chloride Tablets (250)
- 1 x Nitrite No 1 Tablets (100)
- 2 x Nitrite No 2 Tablets (250)
- 1 x pH Test Strips 4 - 10 (100)
- 1 x Instruction Manual

WTS-K100749 313 DEHA Kit

- 1 x Plastic Case and Foam
- 1 x DEHA Test Solution 1 (65ml)
- 1 x DEHA Test Solution 2 (30ml)
- 1 x Comparator Unit
- 2 x Comparator Unit 10ml Cell
- 1 x DEHA Comparator Disc 0 - 0.5 ppm
- 2 x Instruction Manual

WTS-K100960 312 Hydrazine Kit

- 1 x Plastic Case and Foam
- 1 x Hydrazine Test Powder (40g)
- 1 x Comparator Unit
- 2 x Comparator Unit 10ml Cell
- 1 x Hydrazine Comparator Disc 0 - 5 ppm
- 1 x Instruction Manual

Chloride Test Kit for Cooling Water Treated with Glysacorr® G94-94

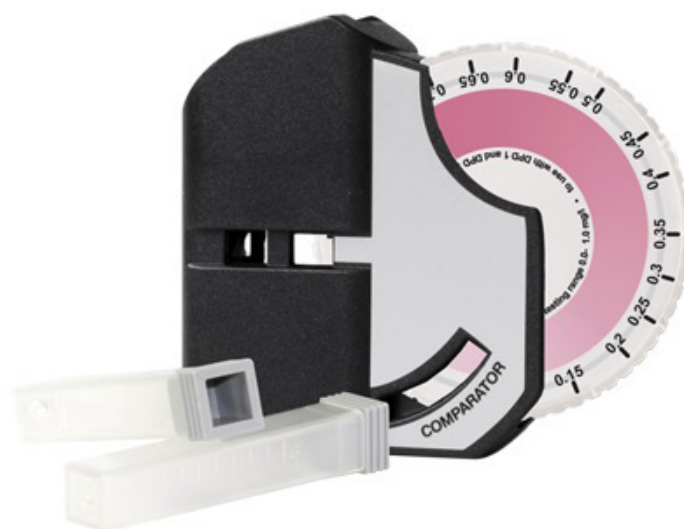
Glysacorr® G93-94 is an inhibitor concentrate which is added to the cooling water in trucks, locomotives, on ships, or other combustion engines. At a concentration of 10% by volume, Glysacorr® G93-94 affords excellent protection against cavitation and corrosion to all engine metal and alloys, providing that chloride levels in the cooling system remain below 100ppm (mg/l).

The coolant mixture should be prepared with tap, demineralised or deionised water. If tap water is used then it is essential that chloride and hardness levels are below the recommended maximum concentrations; 100ppm (mg/l) and 360ppm (mg/l) respectively. Regular monitoring of chloride is essential to ensure no sea water contamination occurs during operation.

The Glysacorr® chloride test is specially designed to determine chloride levels in 10% working inhibitor solution, ensuring optimum conditions for corrosion protection. A hardness test is also available to ensure dilution water used stays within specification.

WTS-K100761 Glysacorr® Test Kit

- 1 x Plastic Case and Foam
- 1 x Chloride Reagent A (30ml)
- 1 x Chloride Reagent B (65ml)
- 1 x GF/C Filter Papers (50)
- 1 x Filter Holder
- 1 x Comparator Unit
- 2 x Comparator Unit 10ml Cell
- 1 x Glysacorr® Comparator Disc 0 - 100ppm
- 1 x 10ml Syringe
- 1 x 2ml Syringe
- 1 x Instruction Manual



WTS-P100762 Glysacorr® Replacement Reagent Pack

- 1 x Chloride Reagent A (30ml)
- 1 x Chloride Reagent B (65ml)
- 1 x GF/C Filter Papers (50)
- 2 x Comparator Unit 10ml Cell
- 1 x 10ml Syringe
- 1 x 2ml Syringe

WTS-K100366 Total Hardness LR & HR Drop Test Kit 0 - 1200ppm

- 1 x Plastic Case and Foam
- 1 x Titration Jar 60ml
- 1 x 20ml Syringe
- 1 x 10ml Tube with Cap
- 1 x TH2 Total Hardness Buffer (65ml)
- 1 x TH3 Total Hardness LR Titrant (65ml)
- 1 x TH4 Total Hardness HR Titrant (65ml)
- 1 x TH5 Total Hardness Indicator (65ml)
- 1 x Instruction Manual

WTS-P100962 Total Hardness LR & HR Replacement Reagent Pack

- 1 x TH2 Total Hardness Buffer (65ml)
- 1 x TH3 Total Hardness LR Titrant (65ml)
- 1 x TH4 Total Hardness HR Titrant (65ml)
- 1 x TH5 Total Hardness Indicator (65ml)