

UNITOR COLD CORROSION TEST KIT (50 PACK)

Product group: **663** Product number: **735742**

The Unitor™ Cold Corrosion Test Kit gives insight if your new VLSFO is causing cold corrosion in the cylinders and engine. The Unitor™ Cold Corrosion Test Kit allows ship owners and operators to obtain an accurate picture of the level of corrosive iron in the cylinder oil.



Product information

The Unitor™ Cold Corrosion Test Kit from Wilhelmsen Ships Service allows ship owners and operators to obtain an accurate picture of the level of corrosive elements present in cylinder oil, potentially preventing critical damage before it occurs. The kit provides accurate results on-board in less than five minutes, negating the need to send samples to a laboratory to be analysed.

The Unitor cold corrosion test kit goes beyond other cylinder oil test kits, which give a total iron figure, by providing users with an accurate measure of the parts per million (PPM) value of Fe²⁺ and Fe³⁺ compounds in used scrape down oil, corresponding to the wear attributable to cold corrosion.

Using a colour-matching test the Unitor Cold Corrosion Test Kit alters the colour of an oil sample, indicating the concentration of non-ferrous iron compounds. The resulting colour is matched to a reference colour wheel that provides a measurement of the corrosive wear present in the sample.

When used in conjunction with ferro-magnetic analysers, such as Unitor Ferrous Wear Meter, the exact wear conditions within the cylinder chamber can be monitored and corrective action taken when higher levels of wear are observed.

Features

- Excellent correlation between field measurements and lab Inductively Coupled Plasma (ICP) results (see graph)
- Monitors products of corrosion that cannot be detected magnetically
- Each test is simple, cost effective and quick (<5 minutes) to complete

Benefits

- Provides early warning that cold corrosion is underway
- Gives a running commentary on internal corrosion as the operator adjusts the cylinder liner jacket temperature or oil feed rate

Specification

General

Invent Hazard Material (IMO/EU) classification	C-9
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Technical data

Temperature [°C]	20 - 55 ambient operating
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Performance data

Measurement Range	0 - 400 ppm (Accuracy +/- 20 ppm); 0 - 800 ppm (Accuracy +/- 40 ppm)
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Documents

[Overview-735742-Cold-Corrosion-Test-Kit](#)

[CCTK-Guide-and-Manual](#)

[SDoC and MD for IHM](#)

Related products

Consumables

735744 COLD CORROSION REPLACEMENT KIT (PACK 50)

Is frequently bought together with

708545 FLASHBACK ARRESTOR S55 OX

773154 UNITOR EASYSHIP COMBINED TEST KIT

604389 ELECTROSOLV - E 25 LTR

735754 UNITOR FERROUS WEAR TEST KIT

632406 TBN REAGENT PACK

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