

Product group: 663 Product number: 735742

The Unitor™ Cold Corrosion Test Kit 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. With IMO 2020, the kit will be able to give the insight if your new VLSFO is causing cold corrosion in the cylinders and engine.



Product information

Unitor™ Cold Corrosion test goes beyond other cylinder oil tests, 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		Technical data	
Invent Hazard Material (IMO/EU) classification	C-9	Temperature [°C]	
Performance data			
Measurement Range	0 - 400 ppm (Accuracy +/- 20 ppm); 0 - 800 ppm (Accuracy +/- 40 ppm)		

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
- 735754
UNITOR FERROUS WEAR TEST KIT
- 604389
ELECTROSOLV - E 25 LTR
- 632406
TBN REAGENT PACK

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