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# UNITOR CATALYTIC FINES TEST KIT

Product group: **663** Product number: **735748**

Much of the heavy fuel oil (HFO), burnt in the cylinders of large 2-stroke marine diesel engines, is contaminated with hard particles known as catalytic (cat) fines. These particles, which find their way into the fuel at the oil refinery, can cause catastrophic abrasive damage to engine cylinder liners during the combustion process. This problem has been inadvertently exacerbated by recent changes to the regulation of marine air pollution because it has driven the use of cat-fine prone, low-sulphur fuel oils. As a means of self-preservation, vessels collect representative fuel samples during bunkering and then send them off for laboratory analysis. However, the test results often only become available once a ship has set sail and is far out to sea, by which time significant engine damage may already be in progress.



Testing with Unitor Catalytic Fines Test Kit protects your engine from unwanted catalytic fines wear from VLSFO introduced through IMO 2020. An easy to use test kit used to measure the catalytic fines in fuel oil. The test kit will flag fuel samples with dangerous levels of catalytic fines.

## Product information

The Unitor™ Catalytic Fines Test has been designed to flag up HFO samples that may be contaminated with dangerous levels of cat fines before the fuel has even been pumped aboard. The test is simple to perform, cost effective, and can be completed within a few minutes. The test kit can determine cat fines down to 20 ppm but experimental results demonstrate that the test is capable of identifying those fuel samples that have a cat fine concentration of > 60 ppm (Al + Si), and which therefore exceed the limit recommended by ISO 8217:2012. In fact the test has been specifically designed to provide the crew with a clear sail or don't sail indication with regards to fuel quality.

### Features

- Suitable for testing on-board, on-site or in remote locations.
- Cost effective, and can be completed within a few minutes

### Benefits

- Simple, easy to operate instrument requiring minimal training.
- Clear sail or don't sail indication

## Specification

### General

<b>Invent Hazard Material (IMO/EU) classification</b>	C-9
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### Dimensions/Weight

<b>Dimensions L x W x H [mm]</b>	570 x 370 x 220
<b>Weight [kg]</b>	8

## Documents

[SDoC and MD for IHM](#)

[Overview-735748-Catalytic-Fines](#)

[Test-Kit](#)

[Catalytic Fines user manual](#)

## Related products

### Consumables

**735750**  
CATALYTIC FINES REPLACEMENT PACK

Is frequently bought together with

**510420**  
LEATHER APRON F/WELDING  
**632786**  
WELDERS GLOVES. 6 PAIRS

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