

MT CAT FINES CHECK

Cat Fines Determination Test Kit for Al and Si based Cat Fines

The abrasive action of catalyst fines can significantly reduce the quality of bunker fuel oil and cause very rapid wear on ship engines.

The test kit MT CAT FINES CHECK is specifically designed by Martechnic® to detect the presence of these hard abrasive particles in heavy fuel oil (VLSFO, HSFO) in a simple and quick test procedure.

The test method is based on the analysis of two samples of heavy fuel oil before and after on-board separation measures in fuel oil treatment unit and prior to the engine inlet. This enables assessing the quality of the treated bunker fuel and the effectiveness of separation system in reduction of cat fines contents to the acceptable levels for the engine system (recommended below 10 mg/kg (ppm)).

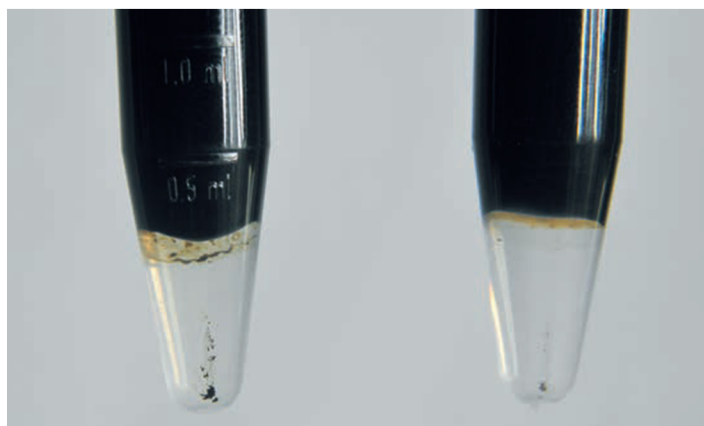


> FEATURES

- Measuring time: approx. 15 min.
- Run up to 8 tests at the same time
- Visually quantifiable

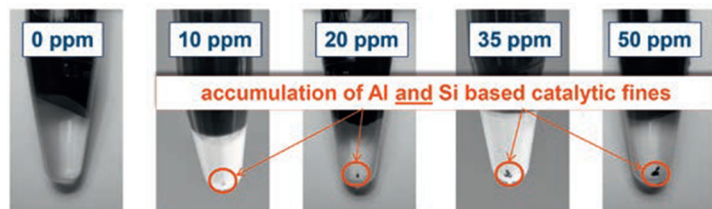
> BENEFITS

- Easy and quick test method
- Applicable for all types of heavy fuel oil
- Demonstrative test results
- Easy to use even for untrained personnel
- Cost effective



BEFORE SEPARATOR

AFTER SEPARATOR



IMAGES BELOW IN ORIGINAL VIAL SIZE – FOR COMPARING HOLD VIALS ON RED BORDERED AREAS



UP TO 8 SIMULTANEOUS MEASUREMENTS POSSIBLE

Test procedure: prepare the HFO samples for analysis. The prepared samples are placed in the centrifuge in a parallel position for the fixed time. After that the samples are ready to be visually compared. Direct quantitative evaluation of cat fines concentration can be conducted by means of the comparison chart (depicted on the left) after a separator and before the engine.