

Soon available to purchase



# IRON CHECK E

Digital Test for Chemical Determination of Iron Content (patent pending)



In accordance with one of the main themes of the SMM 2016 – digitalization - Martechnic® is pleased to present the prototype model of its new test device IRON CHECK E.

Taking into account the increased levels of iron concentration in cylinder drain oil caused by the phenomenon of cold corrosion in two-stroke marine diesel engines, the new electronic version of IRON CHECK enables precise measurement of the iron content in cylinder drain oil directly on-site and provides optimized semi-automatic testing.

A remarkable advantage of the test device IRON CHECK E is the quick and accurate test results with digital readout.

The final version is expected to be available to purchase at the end of September 2016 and can be pre-ordered during the SMM.

## Features:

- Measuring range: up to 1100 mg/kg
- Measuring time: about 15 min. for two oil samples

## Benefits:

- Precise electronic measurement of iron content
- Digital readout of test results
- Chromo meter with LED transmitted light source
- No need to use color reference chart
- Efficient adjustment of the lubrication of crosshead engines

After the preparation of the glass vials filled with the mixture of reagent, indicator solution and the cylinder drain oil sample, they are placed into two chambers (A and B) of the test device IRON CHECK E for about 15 minutes. As soon as the device is turned on, the heating and evaluation will be automatically completed. During the heating process a chemical reaction occurs. By means of the built-in chroma meter with LED transmitted light source the derived color of the liquids will be automatically assessed and the degree of iron concentration ranging up to 1100 mg/kg will be shown on the display. The measured value will be then automatically saved.