

## COMING SOON: IRON CHECK E

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

Martechnic® is currently in a process of completing the final stages of technical elaboration of its new test device IRON CHECK E. The product is set to be launched in August 2016 and will be showcased at the SMM in Hamburg.

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 with optimized semi-automatic testing. A remarkable advantage of the test device IRON CHECK E is the quick and accurate test result with digital readout.



### 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 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.