LEMAG SEEAmag® LS

Ship Energy Efficiency Analyzer

- measures, records and monitors performance and navigational data
- constant KPI visualisation to inform about energy efficiency
- helps to reduce fuel consumption and emissions
- data download and transfer function

The new entry in the world of Ship Performance Systems

In today’s global economic situation and with an expected further increase of fuel oil prices but also in order to protect the environment by reducing the amount of greenhouse gases emitted to the atmosphere it is essential for modern ships to monitor, evaluate and improve their operational performance.

LEMAG SEEAmag® LS is a cost efficient solution for basic ship performance monitoring, allowing to assess the general ship condition to identify areas of reduced performance.

The key element of the system is a state of the art maritime computer, recording data from various sources.

- Shaftpower output and shaft RPM
- ship’s speed through water (STW)
- ship’s speed over ground (SOG)
- fuel oil consumption of M/E, A/E and auxiliary boiler

The LEMAG SEEAmag® LS software calculates and clearly represents the following KPI’s:

- main engine specific fuel oil consumption (SFOC)
- propulsion plant efficiency (fuel consumed on M/E vs. distance travelled)
- propulsion efficiency (power used vs. distance travelled)
- propeller slip (percent)
- total efficiency (fuel consumed vs. distance travelled)

The LEMAG SEEAmag® LS with USB-port for an easy data transfer.
LEMAG SEEAmag® LS saves collected data for a trend visualisation where the key parameters are shown graphically. The data will be stored in the system which allows easy data transfer for further performance analysis on shore.

The system can additionally be equipped with an optional remote display which is dimmable and fully approved for bridge installation.