

**Tekomar**

made by  
engineers



## PERFORMANCE EVALUATION

# Fully optimizing the propulsion system

Propulsion systems often do not perform on the design level and consequently **increase** the **fuel bill** – potentially leading to **charter claims**.

Tekomar Performance Evaluation **identifies** – remotely and upon request on site – **issues** which lead to higher fuel consumption and gives **clear recommendations** how to get the system back to **as-designed** status.

- Significant fuel oil savings
- Immediate results
- Long term reliable measures
- No unnecessary travelling



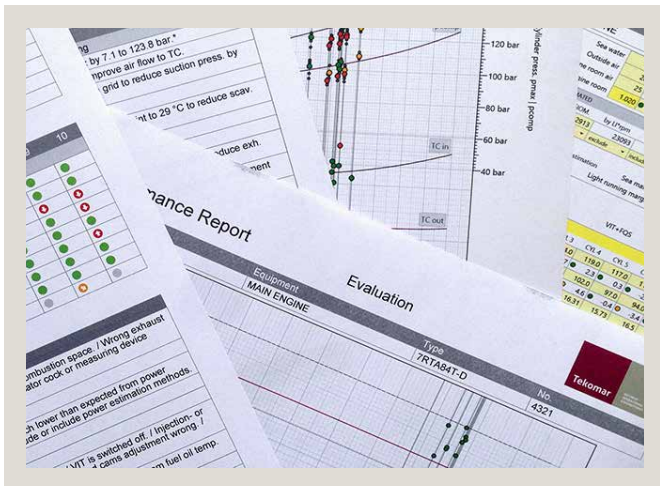
For further information: [www.tekomar.com](http://www.tekomar.com)

## PERFORMANCE EVALUATION

Tekomar Performance Evaluation evaluates and compares present propulsion- and engine performance with new condition. The main focus is to identify and quantify the excess fuel oil consumption and to recommend actions to bring the system back to optimum condition without compromising on reliability.

### CONCEPT

The C/E or Superintendent sends all engine- and/or propulsion system performance data on Tekomar XPERT forms. Tekomar experts are computing the information with the well-known performance evaluation software and return a structured report on how to optimize performance.



Engine performance deviations unveil fuel oil consumption potentials in the propulsion system as well as engine internally. The source of the data can be manual input or import from permanently installed monitoring systems.

In order to be able to compare measurements to one another and to shop or sea trial, all values are corrected to ISO – and/or reference conditions. Influences of engine internal and ambient conditions are consequently eliminated.



The structured report shows the deviations and quantifies the consequential deviation in fuel oil consumption, also giving clear recommendations for measures to bring the propulsion system back to optimum.

### REQUIREMENTS

In order to provide this service, we require in advance:

- Shoptrial results
- Seatrial result (for hull & propeller analysis)
- At least 3 recent performance readings

### OFFERING

Nine out of ten performance evaluations do not require board attendance by a specialized company and can be conducted remotely as described above.

Our standard evaluation packages are as follows:

- One time performance evaluation – check the current situation.
- Regular performance evaluation – track performance over time.
- Optional delegation of an engineer to take the readings during voyage.