

Performance Monitoring and ISO 19030

Hempel SHAPE Systems for Hull and Propeller Efficiency

SHAPE.hempel.com

Measurement of changes in hull and propeller performance

ISO 19030 Quick Reference Guide

The background

ISO 19030 is a new standard on performance monitoring. It has been developed to be widely acceptable by Shipbuilders, ship owners, engine manufacturers, coating companies, classification societies, the IMO etc. It enables ship owners and operators to compare hull and propeller solutions with simple and transparent data, that they can select the most efficient options for their vessels.

The principle

Measuring how much more or less power is required to move the ship through water at a given speed.

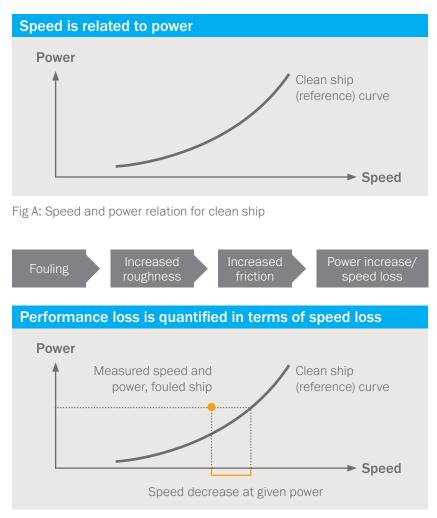


Fig B: Effect of hull/propeller fouling

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The required in-service data

- Autologged data (preferred)
- Noon data

The method



The four performance indicators



- **1. Dry-docking performance** Effectiveness of dry docking
- 2. In-service performance Effectiveness of antifouling system
- 3. Maintenance trigger When to carry out hull and propeller cleaning
- 4. Maintenance effect Effectiveness of hull and/or propeller cleaning