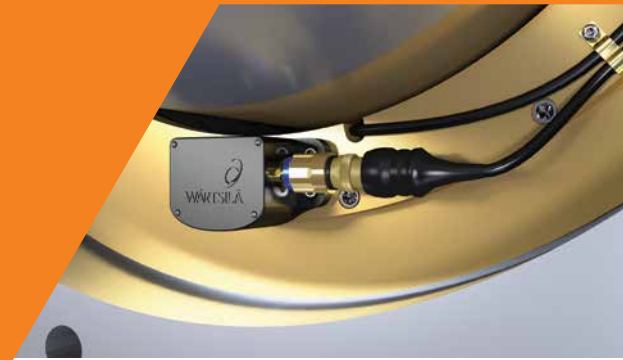


# Wärtsilä Bearing Wear Down Gauge System



The Wärtsilä bearing wear down gauge system remotely indicates the wear of sterntube or bracket bearings in water lubricated shaft lines, by measuring the drop of the propeller shaft.

The measurements are taken by a proximity sensor located in a fully potted submersive enclosure, which is mounted on the sterntube or bracket bearing keeper ring.

The bearing wear is transmitted via a screened cable assembly to a digital control unit inside the hull of the ves-sel. The system is not required to be energised at all times, as the wear is measured only when the propeller shaft is stationary. Information on the wear status of the sterntube bearings is received without diver assisted underwater wear down measurements. Based on previously analysed data, the wear of the bearings can be predicted.

## PRODUCT FEATURES

- Resistant to chemical attack
- Resistant to vibration
- Corrosion resistant
- Tolerant of varying temperatures
- No physical contact with the shaft
- Maximum measured bearing wear drop range is 10 mm
- Power supply is needed only when a bearing wear reading is required
- Approved by major classification societies.

## APPLICATIONS

The bearing wear down system can be fitted to both new build vessels and retrofitted to existing vessels with water lubricated shaft lines.

## BENEFITS

- Bearing condition is continuously monitored
- No diver inspections and associated costs
- No unexpected bearing breakdowns
- Easily programmable wear milestones
- Prediction of bearing wear enabled
- Easy to install.

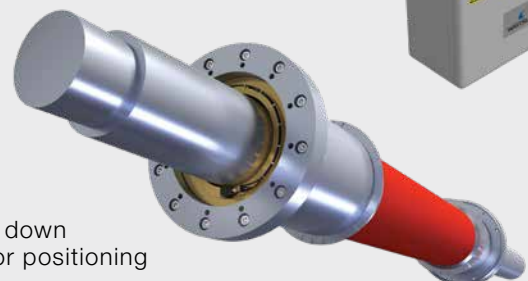
Wear down gauge



Wear down sensor cabinet



Wear down sensor positioning



For the full catalogue of products and services from Wärtsilä Shaft Line Solutions visit [www.wartsila.com](http://www.wartsila.com) or contact us on [shaftlinesolutions@wartsila.com](mailto:shaftlinesolutions@wartsila.com)

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