REVIEW REPORT

Bearing Wear Mointoring	BDMS
IMO:	9500000
Engine Type:	6S50ME-B9
Hardware:	MDA312-2 V1.4
Software:	BWM-2 Ver. 3.42
Class:	XX

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Review report. Data check of engine type 6S50ME-B9
Vessel: HORN INNOVATOR - IMO:9998877 2021-08-28

This report is a recommendation.
The present evaluation is based on the state of knowledge at the time of writing.

This report shows the main bearing wear for the given time period as well as individual events.

Content

Summary 1
Review of short-term data 2
Review of long-term data 3
Review of Water in Oil (WIO) data 4
Review of referrenz data 5
Review #3 FWD (D31) 5

Table of Figures:

Figure 1: Short Term Graph 2
Figure 2: Long-Term Graph 3
Figure 3: Graph from WIO values 4

Summary

The distance sensor #3 FWD has not delivered any values for a long time and has been replaced. When replacing the sensor, an outdated SW was detected on the replacement sensors. All sensors were updated to SW 4.0.

The readout of the display unit via the usb port was not possible, also time and date were lost. Both indications of hardware problems with the display.

After consultation, the display unit was renewed with the current SW 3.45 and the history data was transferred.

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Review of short-term data

These sensor-data do not show any particular anomalies and generally move in the tolerance zones.

These sensors do not show any unusual characteristics.

Only the later renewed sensor #3 FWD is missing

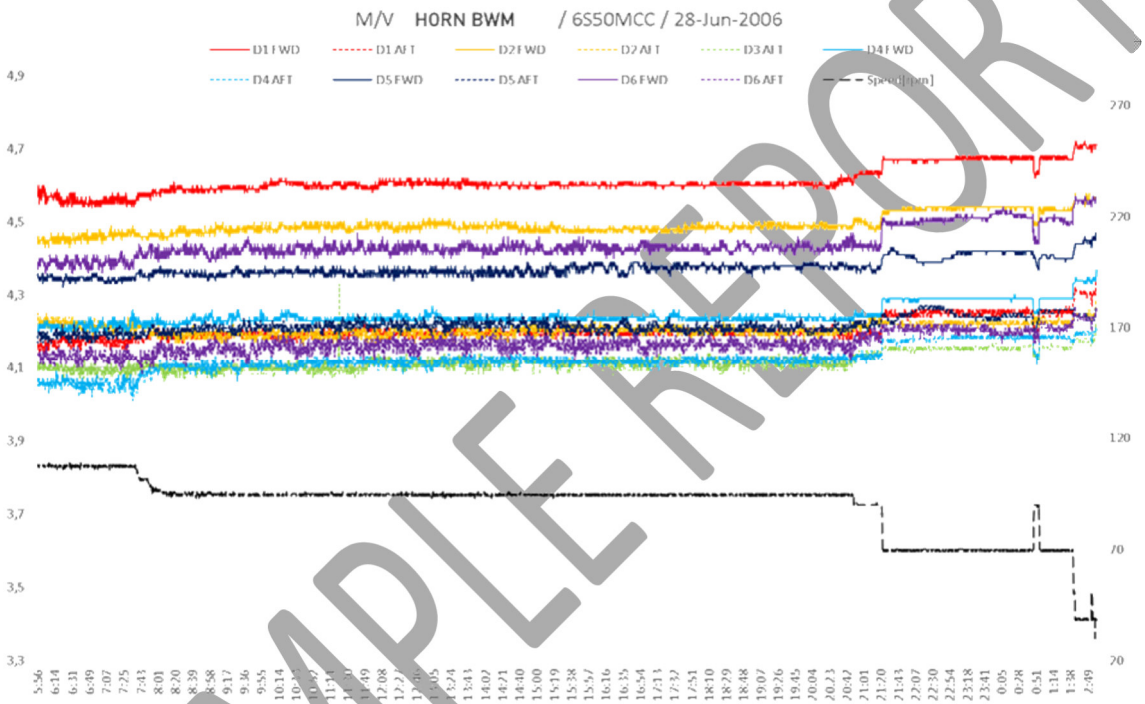

Figure 1: Short Term Graph

Review of long-term data

In this section of the long-term data, all sensors can be seen, showing the smallest distance deviation. Data is summarised every 6 hours and no environmental conditions are taken into account here, so fluctuations may occur.

These sensors do not show any particular anomalies and generally move in the tolerance zones.

As the neighbouring sensors of #3 FWD do not show any abnormalities. Therefore no problems on the bearings can be expected.

The sensor #3 FWD is defective and must be replaced.

Figure 2: Long-Term Graph

Review of Water in Oil (WIO) data

Basically, the trend looks as expected, only the sporadic ZERO values indicate a possible failure of the sensor in the future.

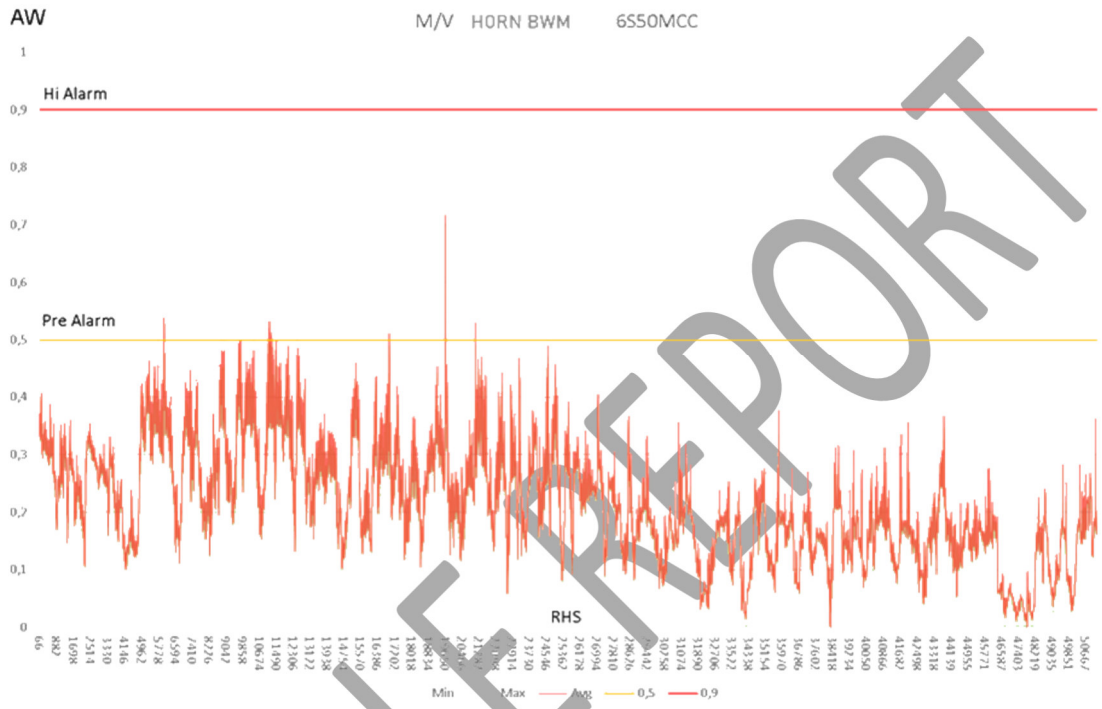

Figure 3: Graph from WIO values

Explanation AW
The water level also changes depending on the actual humidity content in the oil, i.e. the water absorbed or released by the oil.
In other words: aw always shows the actual difference to the saturation point.

Review of referrenz data

We cannot see any abnormalities here.

This means that the learning process has been completed to our complete and full satisfaction. We can therefore exclude the possibility that it is a resulting error.

Special features or anomalies, if any, will be discussed in more detail below.

Review #3 FWD (D31)

We have communicated a recommendation with you here and made it available to you. If you have any questions, please do not hesitate to contact us.