

# Wärtsilä Condition based maintenance



Wärtsilä Condition based maintenance service (CBM) optimises the availability, reliability and performance of your equipment, through the diagnostics of key parameters and decision support. On-time decision support is provided to the crew or operator by Wärtsilä experts. The service is available as part of a service agreement for both marine, power plant and oil and gas installations.

With Wärtsilä Condition based maintenance, equipment health is based on continuously measured data which is processed by Wärtsilä. Through continuous follow-up, insight into the equipment's condition and statistics, actionable advice is provided by Wärtsilä experts.

## OPTIMISING YOUR MAINTENANCE

Optimised maintenance is achieved by continuously keeping track of the equipment's condition. Scheduled maintenance is optimised when combined with Wärtsilä's maintenance planning and on-site inspections. Unscheduled maintenance is minimised thanks to the predictability of the equipment's actual condition.

Wärtsilä Condition based maintenance service can be combined with other Wärtsilä Genius services in order to further improve the overall performance and operations of your installation.

## KEY BENEFITS

- Optimised equipment performance
- Optimised scheduled and unscheduled maintenance
- Decision support and actionable advice
- Increased availability, reliability and uptime
- Long-term predictability and insight into equipment condition
- Sharing information through Wärtsilä Online services.





### **EQUIPMENT HEALTH DETECTION**

Key equipment data is continuously measured, processed and replicated to Wärtsilä, where it is benchmarked to a dynamic baseline and diagnosed. The dynamic baseline is based on equipment configuration, installation design, fluids and ambient conditions. Deep operational insight enables correct actionable advice.

### **FREQUENT FOLLOW-UP AND INSIGHT**

Detailed reports are provided on a regular basis to the technical staff, owner and operator of the equipment. The report is custom-made and may include:

- Engine health overview
- Equipment diagnostics
- Trending and predictions
- Maintenance advices
- Statistics of production and load profiles.

### **MAINTENANCE ADVICE**

On-time decision support and advice is offered by Wärtsilä experts. The long-term follow-up of key parameters enables predictability of equipment performance. Expert diagnostics are maintained through benchmarking of Wärtsilä monitored installed base.

Wärtsilä Condition based maintenance service reports, intermediate feedback, fleet overviews and advice can be accessed through Wärtsilä Online services.



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