Detect a problem before it becomes one

WÄRTSILÄ

Alignment issues can be hard to detect. And left unnoticed, can lead to problems.

Problems such as premature wear and breakdown, extensive component failure and large-scale damage to engines, shafts, struts and hulls.

What can cause it?

- Outdated designs or calculation methods
- Material or manufacturing flaws
- Installation bad practice
- Human error
- Incorrect performance specifications or lubricants
- Changes in operating profile
- Hull deflections

But it doesn't have to be this way

Our team of industry-leading experts can evaluate and improve the health of marine propulsion shaft lines using our specialist diagnostic tools, software and analytics.

Typically here's how it works:

Contact our Alignment team and send drawings and calculations

Schedule a dry dock and ensure specialist tools are ready

Followed by an alignment check using our patented gyro-laser technology and digital jack-up system

Our engineer comes on-board and performs a visual inspection of the complete shaft line

Your vessel is dry docked

Another alignment check is carried out as well as additional measurements, including bearing wear-down

After the stern tube is drained, the seals are removed and inspected

The shaft line is disconnected and withdrawn

Our engineer can stay on-board to supervise reinstallation and perform a final alignment check

You receive a report with recommended actions

All this data is given to our specialists who perform in-depth analysis

Followed by a raw stern tube alignment check and further bearing measurements

For further work, we can project manage it, giving you the full support of the Wärtsilä Service Network