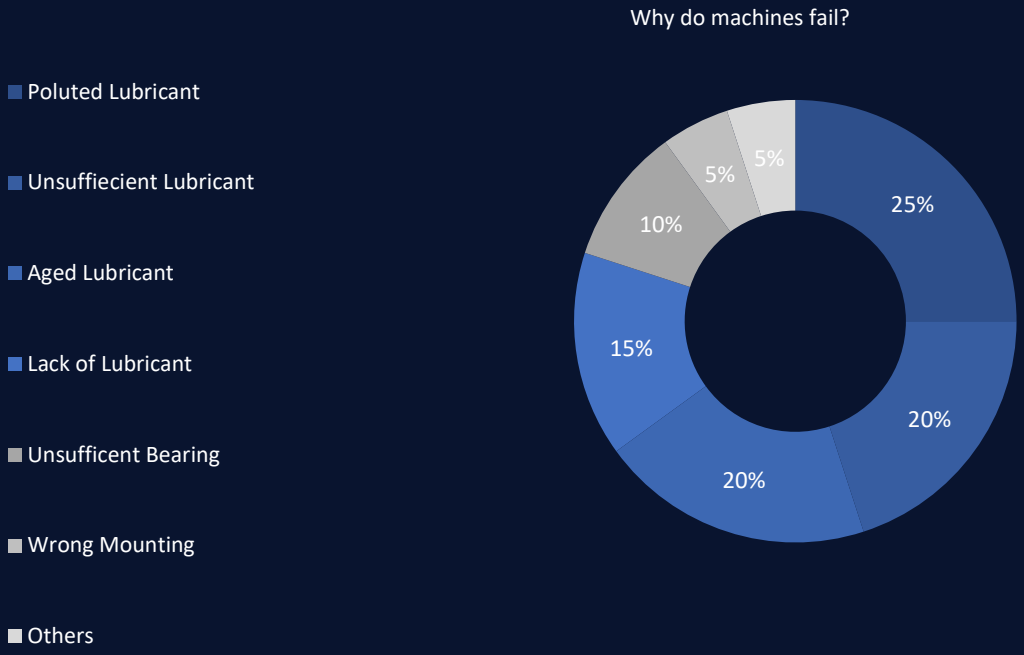
HCPSense

LubeSecure

Optimize your Lubrication

www.hcp-sense.com



80% of premature bearing failures are due to lubrication

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Potentials in a pump example

24 %	80 %	70 %
less lifecycle costs	less failures	Lower energy consumption

Optimum lubrication leads to low energy consumption and a long service life

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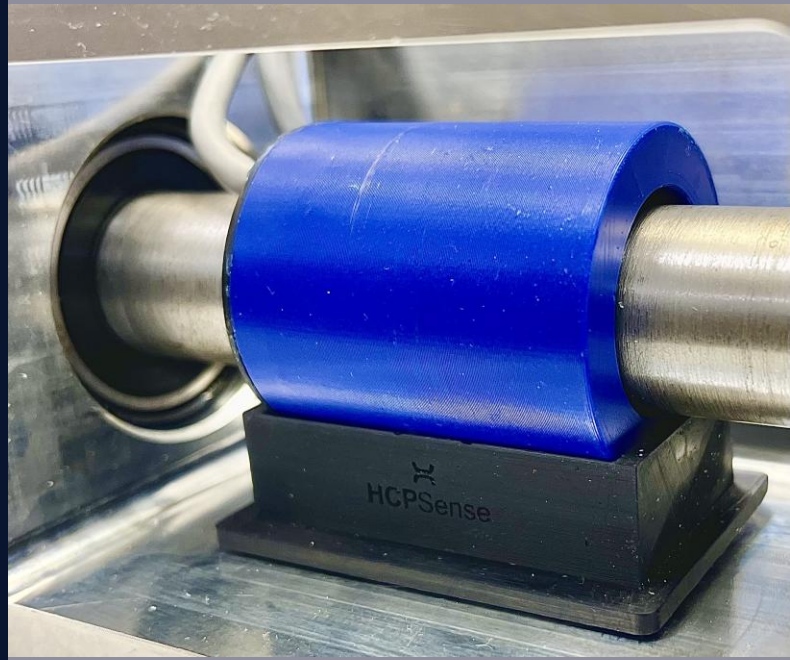
Contactless measurement

LubeSecure detects the lubrication condition of the rolling bearings without contact

- Inductive sensor is mounted between the bearings
- Mounting on the housing
- No contact with the shaft
- Protected by 6 patents



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Our expertise Your benefits

Bearing damage and lubrication problems

Recognise, understand and prevent at an early stage

Reduce maintenance costs

Remote monitoring of all functions

Qualify lubricants

Function of the lubricant from the arctic circle to the equator

Reduce energy consumption

through suitable lubricant selection

Process monitoring

Optimisation of the operating strategy

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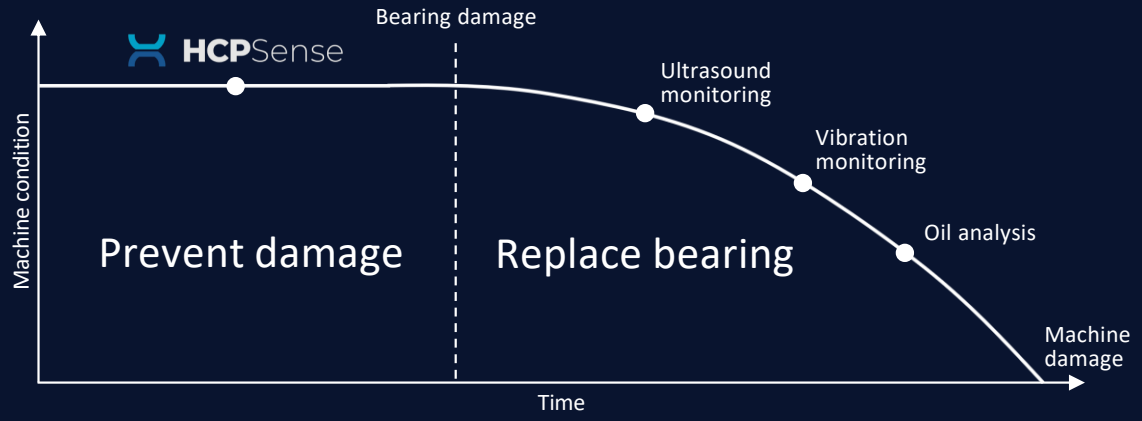
Rethinking bearing monitoring - HCP Sense compared to the competition



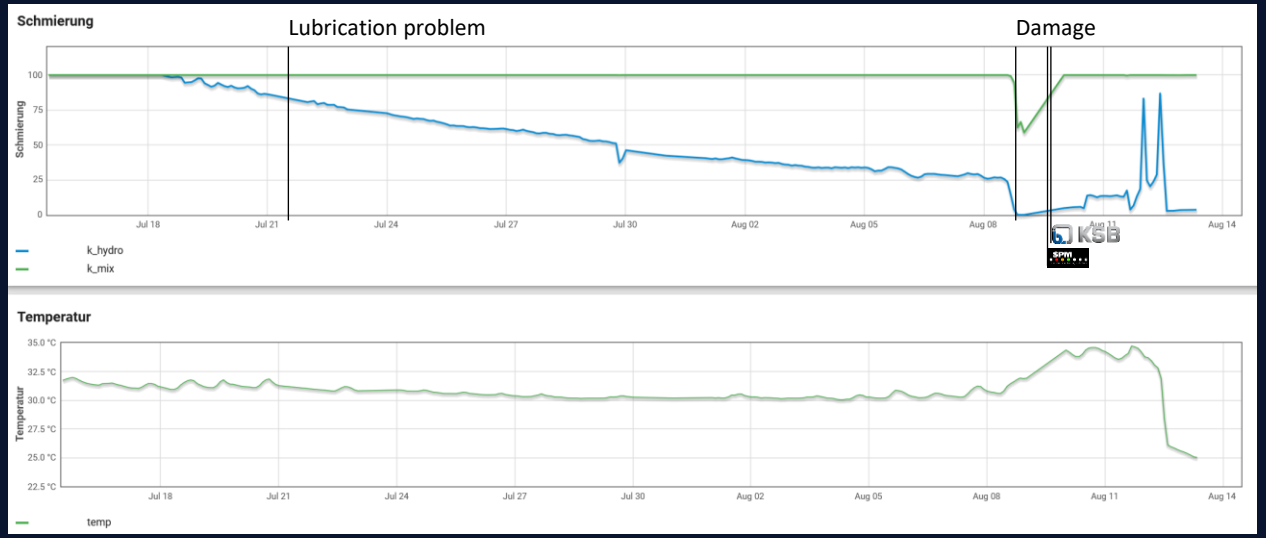
☑Preventing bearing damage instead of recognizing it

☑No teach in time necessary, simple evaluation

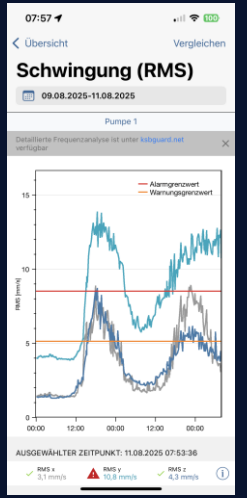
☑Clear status information for monetising maintenance

Try Pitch

Benchmarking Test - KSB Etanorm



KSB Guard warning on 9 August.



- LubeSecure detects the cause of damage three weeks before the damage occurs.
- LubeSecure detects damage 24 hours before other systems.

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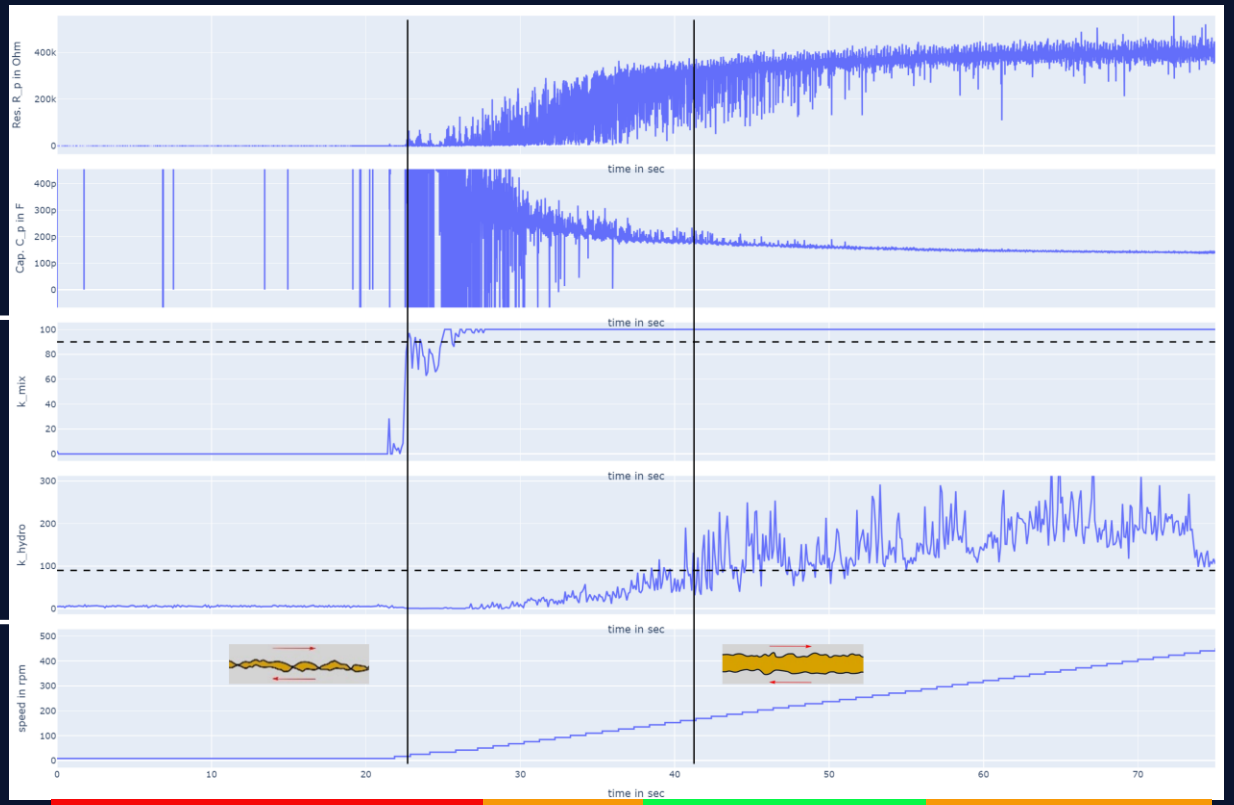
Example Measurement

Boundary friction Mixed friction Hydrodynamic friciton

Raw data

Values

Speed



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Our sensor monitors lubrication in machines, which is a key factor in energy and maintenance costs. This revolutionises predictive maintenance and enables efficient machines and busines models!

- Founded 2021
- Spin-off TU Darmstadt

References

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Try Pitch

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Design more efficient machines together!

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