

SKF Plug and Play cost savings

Vibration sensor saves food processing plant over €30 000!

Learn how SKF Plug and Play was able to diagnose an asset fault before operations were impacted, saving unnecessary new equipment costs and the expense of unplanned downtime.



The challenge

The maintenance team at a food processing plant was concerned by increased vibration in an electric motor on one of their critical lines. The reliability manager was off-site and not available to inspect the motor, but the team felt sure that failure was imminent, and the motor needed to be replaced. So, they ordered a new €15 000 motor and arranged for replacement, which would require an additional €15 000 in maintenance and labor costs.

A new approach

When the reliability manager became aware of the issue, he immediately used his SKF Plug and Play sensor and app to collect vibration data from the motor. Via the app he was able to send the data to SKF's Rotating Equipment Performance Centre for expert analysis on the asset condition. Within 24 hours the plant received an SKF Plug and Play check report, with a diagnosis based on decades of SKF predictive maintenance and rotating machinery analysis expertise.

The solution

The SKF analysis recommended a closer inspection of the process mill attached to the electric motor. That inspection validated that there was a coupling issue with the process mill but the electric motor was fine. The plant was able to cancel the €15 000 order for a new motor and avoid incurring another €15 000 in contractor installation costs.

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