Lubricate smartly when bearings need it most

SKF Condition assisted lubrication (CAL) helps to protect critical applications

PROACTIVE
SMART
CONNECTED

Quick reaction is crucial to bearing life

Critical assets running in demanding operating conditions are related to high maintenance costs. If these critical assets break down, than diagnosis and precise cause analysis are essential to implement an effective containment plan.

In most cases once a failure mode has been detected, the bearing life has been compromised and reacting quickly is crucial.

Suppose the failure mode is related to lubrication. In that case, it often leads to a common practice of adding extra lubrication to either confirm it or, more importantly, rule out a poor lubrication issue.

Additional manual lubrication of critical assets can take time to perform. Even worse: it can expose workers to hazardous conditions, and the uncertainty of success remains.

Combining condition monitoring with automatic lubrication increases reliability

SKF Condition assisted lubrication CAL connects continuously monitoring of critical bearings with automated lubrication to increase critical asset reliability and reduce maintenance costs. Automatic lubrication makes manual intervention unnecessary and contributes to worker safety by delivering the right lubricant and quantity at the right time and to the individual lubrication point.

Advanced and continuous fault detection, followed by immediate extra lubrication, accelerates failure mode diagnosis and corrective action.

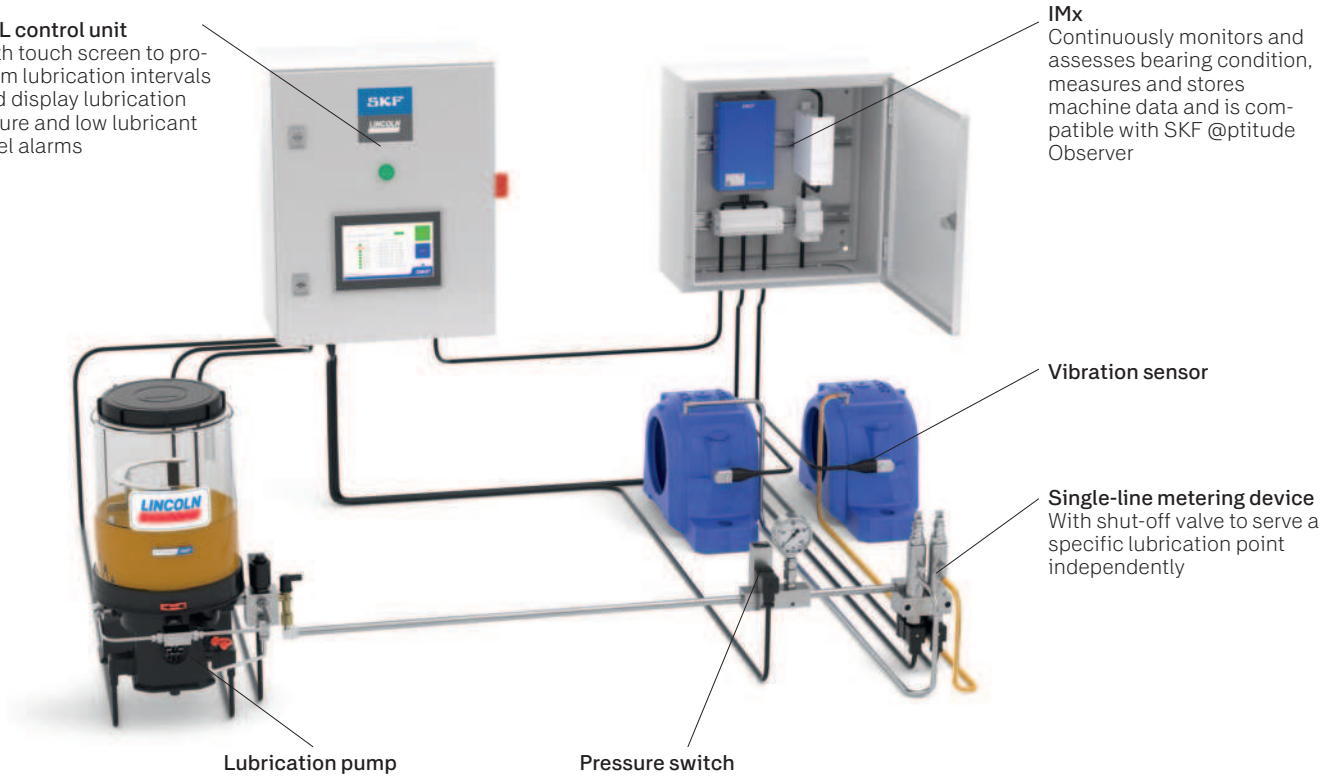
Simultaneously storing and post-processing lubrication and vibration data in the SKF @ptitude Observer software provides new information to maintenance and lubrication technicians, resulting in improved diagnosis of faults to proactively prevent repeating failures.

Benefits:

- Increases critical asset reliability
- Reduces maintenance costs
- Contributes to worker safety
- Accelerates diagnosis and reaction
- Enhances fault detection by using SKF Acceleration Enveloping (gE)

Designed for critical applications like fans

How SKF Condition assisted lubrication works



SKF Condition assisted lubrication (CAL) combines the SKF Multilog Online System IMx with an intelligent automatic single-line lubrication system.

If the IMx reports a rising vibration level of a bearing, the CAL control unit immediately triggers an extra lubrication cycle to that specific bearing until the vibration level returns to normal values, or as many extra cycles programmed by the user.

Users have intuitive interaction options at the CAL control unit's touch screen to set and view lubricant interval, lubrication failure alarm and low lubricant level alarm. All lubrication events are stored and displayed in the condition monitoring software.

Each single-line metering device serves one lubrication point. The devices are individually adjustable and come with an independent shut-off valve.

One CAL system can serve up to eight bearings or up to eight lubrication points.

Each CAL system is tailored to your specific needs.

Please get in touch with SKF application engineering.

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