



LUBExpert ON-GUARD Message Map

Headline

Automatically grease your bearings right. The LUBExpert ON-GUARD compares, through ultrasound measurement, the bearing conditions to deliver just the right amount of grease when it is needed, automatically.

Key Points

Condition-based	Simple	Safe
<i>Reliability</i>	<i>Available</i>	<i>Friendly</i>
<i>Data-driven</i>	<i>Automatic</i>	<i>All-in</i>
<i>Failureless</i>	<i>Smart</i>	<i>Secure</i>

Expanded Arguments for the Key Points

Condition-based

1. Reliability

Trust in the assurance that LUBExpert ON-GUARD provides, ensuring your assets consistently perform at their peak. No downtime, no uncertainty about their condition. With 40% of machine bearings prone to failure without an effective greasing plan, LUBExpert ON-GUARD steps in, guaranteeing uninterrupted operations!

2. Data-driven

Rely on the heartbeat of your machines. LUBExpert ON-GUARD ensures precision and accuracy in assessing the condition of bearings, making efficiency the core of your maintenance strategy. Move beyond time-based calculations. Trust in the data-driven decisions of LUBExpert ON-GUARD, paving the way for a maintenance approach that's as dynamic as your machinery.

3. Failureless

We're not analysts, we're nutritionists for your machines. LUBExpert ON-GUARD allows you to abandon the notion of predictive maintenance in favor of a proactive approach. Like a caregiver, it feeds your machines what they need, precisely when they need it, eliminating the risk of failure before it happens. Problems can now be prevented thanks to a personalized, autonomous and data-driven maintenance strategy.

Simple

1. Available

LUBExpert ON-GUARD offers the freedom to connect and control from anywhere, putting the power of efficient maintenance in the palm of your hands. Accessible through any operating system, including tablets and smartphones, LUBExpert ON-GUARD's built-in web server ensures connectivity on the go.

2. Automatic

Experience automation at its best. Let LUBExpert ON-GUARD handle the intricate task of grease replenishment, reducing the workload on your team and ensuring optimal performance. LUBExpert ON-GUARD automatically lubricates bearings thanks to the patented SDT LUBrain algorithm. The algorithm allows lubricators to automatically inject grease into the bearing when it is needed.

3. Smart

The automated process, guided by an intelligent algorithm, eliminates the need for extensive training. Smart lubrication is performed thanks to ultrasound technology. The COMMONSense sensors linked with the lubricators deliver the right amount of grease considering the bearing conditions. The SDT COMMONSense sensor links the machine to the LUBExpert ON-GUARD. It is a plug & play sensor, so no configuration is needed. Communication to the LUBExpert ON-GUARD is handled through a standard web browser, so no client software installer, remote cloud services, or additional license are required.

Safe

1. Friendly

Shield your workforce with LUBExpert ON-GUARD, conducting grease replenishment remotely to mitigate potential risks in hazardous environments. Beyond safety, the device promotes a greener, sustainable future by allowing precise control, preventing unnecessary depletion, and eliminating oversupply and waste.

Automatic lubrication also ensures optimum sliding of mechanical components, so that the motor doesn't have to compensate for the loss of efficiency by naturally increasing its power and therefore consuming more.

2. All-in

With the combination of replenishment modes (based on predefined amount of lubricant or controlled by the LUBrain algorithm) and the triggering options (on demand, on alarm, on operating time), find the best lubrication strategy for your machines. The web interface lets the user decide the lubrication strategy based on:

- the machine manufacturer warranty requirements (lubrication based on bearings' operating time – with LUBExpert ON-GUARD the user is able to exactly know the right amount of operating hours);
- the LUBrain algorithm (injecting the right amount of lubricant when it is needed);
- the ON-GUARD discharge duration time (lubrication done using only one discharge).

Thanks to the LUBExpert ON-GUARD's versatility, the user can pick the best lubrication strategy and also decide to operate with their own lubricators, reducing waste and pollution.

Choose the configuration that suits you best, listen to the machine and let the device do the rest.

3. Secure

Prioritize data security with LUBExpert ON-GUARD, where your data remains under your control. Steer clear of IT insecurities as the device stores collected data internally, accessible via MODBUS TCP over the network, and displayed through customizable dashboards. Maintain ownership and control over valuable information, reinforcing data security.