

Wikov designs, manufactures, supplies and services customized gearboxes for wide range of applications. In addition we developed a specific condition monitoring system WiGuard for monitoring Wikov's gearboxes. This diagnostic tool protects gearbox/drive against fatal failures and saves your maintenance costs significantly.

Our success is based on experience we gained in our 130 years history, international team of R&D specialists and state of the art production technologies. These main pillars lead to identifying the best solution for you with maximizing functional and economical parameters of your application.

WiGuard®

Condition Monitoring System Developed for Gearboxes



Wikov Manufacturing Facility

Contacts

Wikov MGI a.s.

Zbečnick 356
549 31 Hronov
Czech Republic
T: +420 491 488 610
F: +420 491 488 412
E: mgi@wikov.com
www.wikov.com

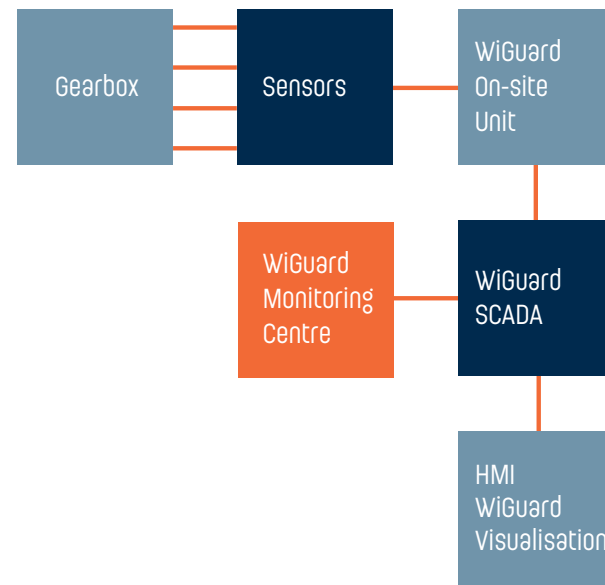
Wikov Gear s. r. o.

Tylova 1/57
316 00 Pilsen
Czech Republic
T: +420 377 177 314
F: +420 377 177 119
E: gear@wikov.com
www.wikov.com

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The Essence of Engineering



WiGuard technical description

- Complete preventive and diagnostic tool
- PLC including analog and digital I/O
- Continuous measurement and data acquisition
- On-line data analysis
- Safety functions - warnings and errors messages
- History database
- Simple access through web and mobile client
- Customer's requests modifications
- Based on IEC and UL standards

Measured and monitored key parameters

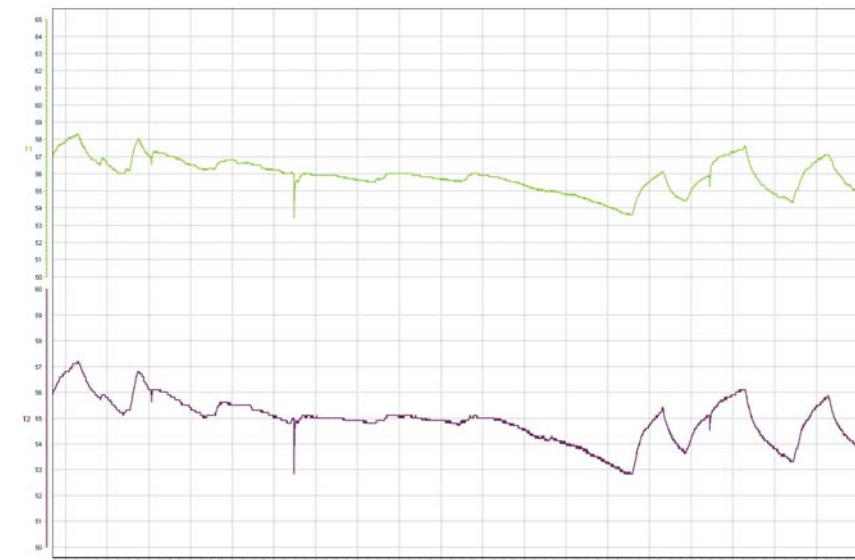
- Vibrations
- Temperatures
- Pressures
- Speeds
- Flow capacity
- Torque
- Oil quality
- Oil particles

Alarm settings

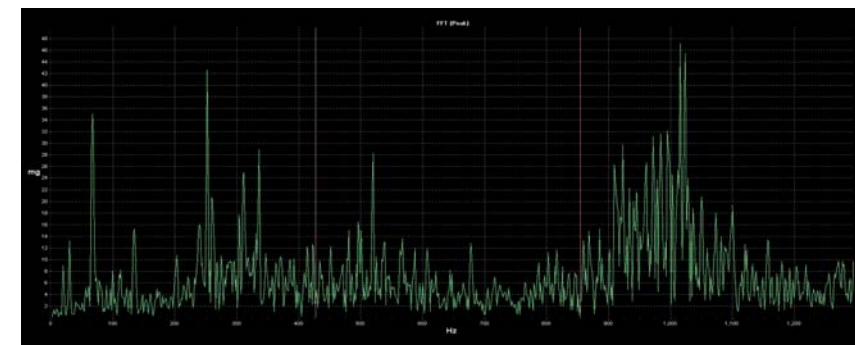
- Each value (vibration, temperature, etc.) has own alarm settings
- You can choose the level of the alarm (according to the alarm importance)
- All alarms create e-mail alerts
- All alarms are recorded and saved into the archive



User's interface



Temperatures



Vibrations



WiGuard – Benefits

- Extended warranty conditions
- Effective maintenance planning
- Protection against forbidden operation states
- Protection against fatal damages
- Long term unit monitoring, full scale diagnostic
- Extension of the unit lifetime and improvement of its reliability
- Significant cut-down of operational and maintenance costs