



The Smart Condition Monitoring System potentially delivers an average of

\$60,000
in productivity

per gear drive each year.*

Smart Condition Monitoring System for V-Class Gear Drives

The Smart Condition Monitoring System Powered by DiRXN® measures, records, trends, and displays drive operating conditions and alerts specified users of abnormal operating conditions. Our proprietary algorithms continuously compare both individual and aggregated sensor data against embedded models of healthy drive operating conditions. When an emerging or actual abnormal condition is detected, contextual information about the condition is simultaneously sent to users via e-mail, the Rexnord Connect Portal and/or your supervisory control software, if connected to a control system.



List of Capabilities:

Drive Temperature of key components including:

- Ambient temperature
- Oil sump temperature
- Input shaft bearing temperatures (subject to gearbox configuration)

Vibration at key locations:

- Measures vibration and identifies key potential sources of abnormal operation

Oil Quality:

- Estimated oil life remaining in % / hours at low life remaining
- Oil water content (relative humidity)
- Critically low oil level

Connected motor current draw

Output shaft speed

Communication Channels:

EtherNet/IP™, Modbus TCP, PROFINET® to PLC / DCS

Rexnord Connect Portal via LTE or Ethernet

E-mailed alerts

Local stack light – Normal/Abnormal/Severe Alert

Environmental Specifications:

IP66

Available for V-Class Gear Drives

The Smart Condition Monitoring System Includes:

- 1-year Rexnord Connect Portal subscription for data access and analytics (required for system operation)
 - 3-year subscription package also available at time of purchase
- For new units — Professional, factory certified installation of sensors, stack light, and edge device at a Rexnord Industrial Services facility (oil change or other required services not included). Lead time depends on overall scope of work and shipping time.
- OR factory certified installation at your facility in North America
 - Installed in 8 hours or less
 - Some customer field preparation may be required; oil change or other required services not included
 - On-Site verification of Smart Condition Monitoring System
 - Two-week typical lead time

** This projection is an estimate only, based upon data provided by the customer as well as Rexnord's experiences in this industry. This projection shall in no way be construed as any guarantee of any level of future performance or benefits in this particular application.*

Smart Condition Monitoring System for V-Class Gear Drives

Rexnord Connect Portal for Data Access and Analytics



The Subscription** Includes:

1. Enable factory-set alerts for key drive health parameters
2. Access to key drive health data through all channels:
 - Stack light
 - E-mailed alerts
 - PLC / DCS interface
 - Rexnord Connect Portal
3. Data history and trendlines stored in a secure cloud server
4. Updates to:
 - Firmware
 - Security software
 - Drive health algorithms
5. Access to Rexnord product experts for understanding drive health messaging



Rexnord Connect Portal

**Subscription is billed and renewed annually. Subscription must be activated within a year of delivery.