



DiRXN Smart Condition Monitoring System for A & Y Gear Drives

The DiRXN™ Smart Condition Monitoring System 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 smart condition monitoring system cloud-based software 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

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 (subject to drain port availability)

Connected Motor current draw

Output shaft speed

Communication Channels:

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

Web Portal via LTE or Ethernet

E-mailed Alerts

Local Stack light – Normal/Abnormal/Severe Alert

Environmental Specifications:

IP66



Available for A & Y Units

The Smart Condition Monitoring System Includes:

- DiRXN Smart Condition Monitoring System capabilities
- 1-year Rexnord Connect subscription for data access and analytics (required for system operation)
 - 3-year subscription package also available at time of purchase
- 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 starting December 2018, 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

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Rexnord Connect
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
 - Web 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

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



Rexnord Connect Portal