PREDICTIVE VIBRATION ANALYSIS

AI-based portable vibration diagnostics

Utilizing advanced machine learning technology from Augury™, Carrier provides a predictive maintenance vibration analysis solution, now available with our BluEdge® service agreements (depending on contract). Carrier teams can deliver more uptime and improve equipment performance for customers by leveraging industry-leading vibration analysis and predictive diagnostics.

Built on the idea that each machine has a unique acoustic fingerprint, the AI-based diagnostic solution listens to your rotating assets, analyzes the data and provides accurate and actionable diagnostics in-house. The Auguscope™ portable diagnostics solution by Augury delivers machine diagnostics expertise in the palm of the technician's hand. The initial machine health analysis is performed within minutes, with verified prescriptive diagnostics and maintenance recommendations summarized in a report within 72 hours.

ABOUND™ HVAC PERFORMANCE ADVANTAGE

Included as standard in Carrier BluEdge Elite service agreements

You can receive peace of mind knowing that vibration analysis is being conducted regularly on your equipment.
It can be offered as an additional service with any other service agreements.

Advanced machine learning algorithm providing real-time actionable insights

With over 80,000 machines in Augury's database, Augury's technology delivers ground truth information on the state of your equipment. Machine data becomes actionable with an insight engine that recommends the appropriate actions and maintenance practices.

Unparalleled customer service

Customer success and expert vibration analysts are responsive and available for immediate support and guidance.

AUGURY

Gaining a high level of visibility into the ongoing health of your assets has never been easier.

Machines Health

	no health level	0 machines
	danger	0 machines
	alarm	1 machine
	monitor	1 machine
	acceptable	0 machines

(center: 2)

	Health	Machine	Last Recorded	Faults	Type
1	Scope Monitor	30HXC080 Carrier 30HXC080 S/N: 12U123456	Mar 8, 2021	Operational Issues - Motor	✳
2	Scope Alarm	30XA0902 Carrier 30XA0902 S/N: 12Q000000	Mar 5, 2021	Structural mechanical looseness - Motor	✳

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Close

Structural mechanical looseness
Motor   Alarm

Structural mechanical looseness.

Possible Causes

- Loose mounting bolts.
- Structural looseness.
- Soft foot.
- Excessive flexibility of machinery support structure.

Maintenance Practices

- Inspect the bearings, fasteners, or support structure for mechanical looseness.

Bearing wear detected near motor driving end (bearing 1).

Home   Buildings   Inbox   Sessions   More

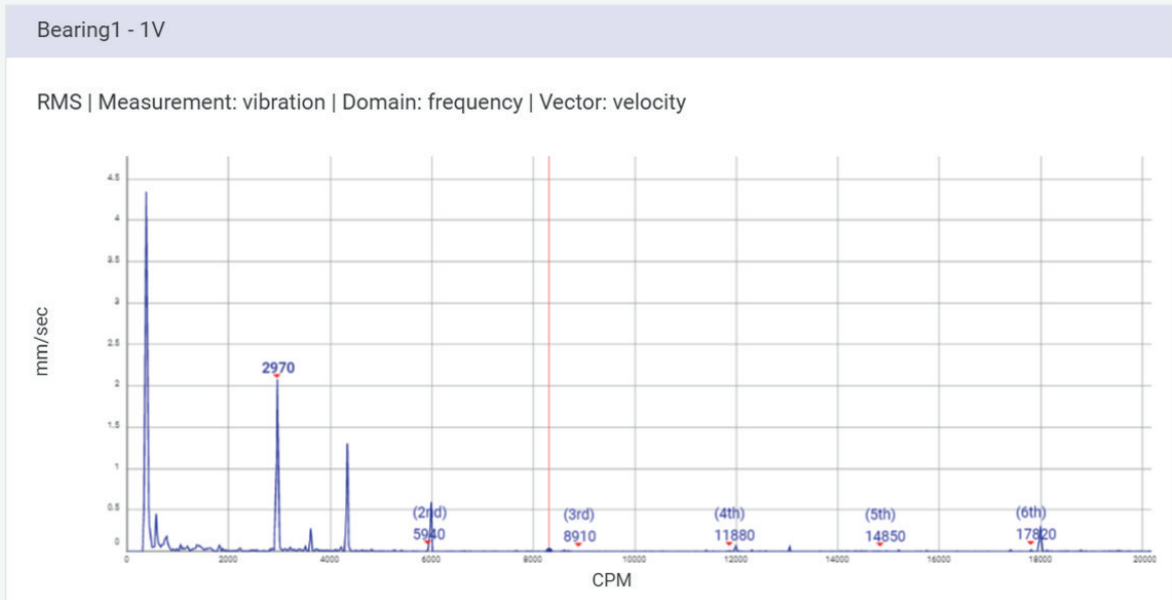**SFR 4G   15:35**

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Bearing wear
Motor   Monitor

Bearing wear detected near motor driving end (bearing 1).

Possible Causes

- Improper or contaminated lubrication.
- Improper assembly.
- Overload or fatigue damage.
- Improper fit/tolerances for application.

Maintenance Practices

- Check bearings lubrication and relubricate if required.
- Continue to monitor.

Bearing wear detected near motor driving end (bearing 1).

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Bearing1 - 1V

RMS | Measurement: vibration | Domain: frequency | Vector: velocity

2970

(2nd) 5940   (3rd) 8910   (4th) 11880   (5th) 14850   (6th) 17820

mm/sec

CPM

Carrier