



# PREDICTIVE VIBRATION ANALYSIS

AI-based portable diagnostics included  
in every BluEdge™ service agreement



Contact a Carrier representative today to secure a BluEdge service agreement. **1-800-379-6484**

Utilizing advanced machine learning technology from Augury, Carrier provides a predictive maintenance vibration analysis solution, now available with our BluEdge™ Digital offerings. 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.

## BLUEDGE DIGITAL ADVANTAGE



### Included in all Carrier BluEdge service agreements

You can receive peace of mind knowing that vibration analysis is being conducted regularly on your equipment.



### 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.

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

**Health Status** Alarm Yossi Attia | Jan 21 | 20:01

Schedule the recommended activities in the next quarter and monitor the machine frequently until repaired.

**Faults Detected (1)**

**Supporting Evidence (1)**

**Alarm | Bearing wear - Motor Bearing 1, 2**

**Possible Cause**

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

**Recommended Actions**

- Inspect the motor bearings for fluting. If fluted, install grounding brushes and/or ceramic bearings.
- During next machine overhaul confirm bearing fits are within OEM tolerances.
- Check bearings lubrication and relubricate if required.
- Replace the motor's bearings at the next most convenient opportunity.

Back Add Motor Next

Motor Make

Motor Model

Motor S/N

Motor Speed [RPM] 1750

Motor Power [HP] 7.5

Line Frequency [Hz] 60 >

Motor Type Select >

Phase Select >

NDE Side Bearing Type Select >

DE Side Bearing Type Select >

Voltage [Volt]

Back Add Motor Next

Motor Make Baldor

Motor Model M3311T

Motor S/N 36b103t255h1

Motor Speed [RPM] 1750

Motor Power [HP] 7.5

Line Frequency [Hz] 60 >

Motor Type AC >

Phase 3 Phase >

NDE Side Bearing Type Sleeve >

DE Side Bearing Type Rolling >

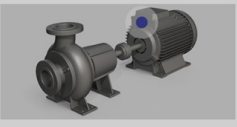
DE Side Bearing Part No. 6205

Quit PBHS - 2 32%

Record

1V 1H 1A 2V 2H 2A 3V

2V Motor DE Vertical Edit




Quit PBHS - 2 32%

Record

1V 1H 1A 2V 2H 2A 3V

2V Motor DE Vertical Edit



**Faults Detected (1)** **Supporting Evidence (1)**

**Bearing2 - 2I**

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

