



QualiTest® Diagnostics

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July 16th, 2025

Jackson-Madison General Hospital
Jackson, TN

The following is a summary of findings from the vibration analysis performed on the **Laundry Chute Suction Blower** on 7/14/25. Please feel free to let us know if there are any questions or concerns.

QualiTest® uses a four step rating system for defects.

Class I: Defect is present, but effect on reliability is not clear; no immediate action is required. Continue to normally monitor.

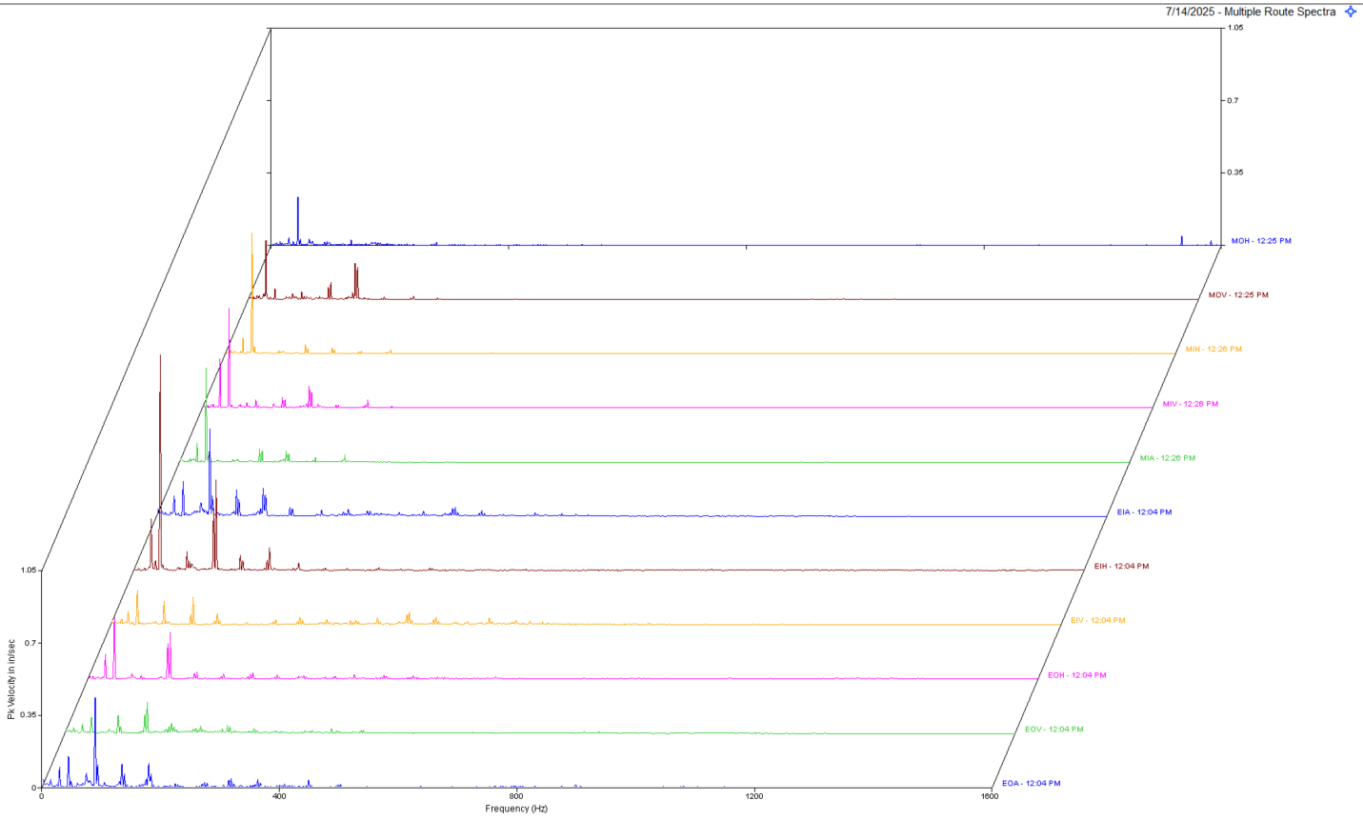
Class II: Defect (s) present that may cause problem in long term (2-6 months). Repair during normal maintenance scheduling. Continue to monitor.

Class III: Defect (s) present that may cause failure in short term (less than 2 months). This should be addressed as soon as practical, with a high maintenance priority. Increase monitoring frequency.

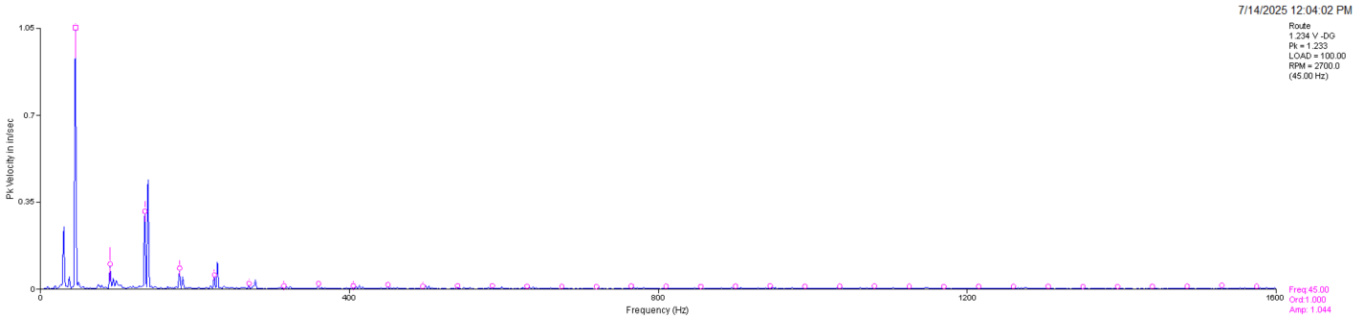
Class IV: Defect (s) present that makes continued reliability unpredictable, and possibility of secondary damage is high. Repairs should be made ASAP. An unscheduled shutdown should be considered for repairs

Hi-Speed Industrial Service tests and inspects industrial machinery and equipment and makes recommendations concerning maintenance and repairs based on its experience in the field of industrial repair and maintenance. The information contained herein is provided as an opinion only, not as a guaranty or warranty of the matters discussed herein.

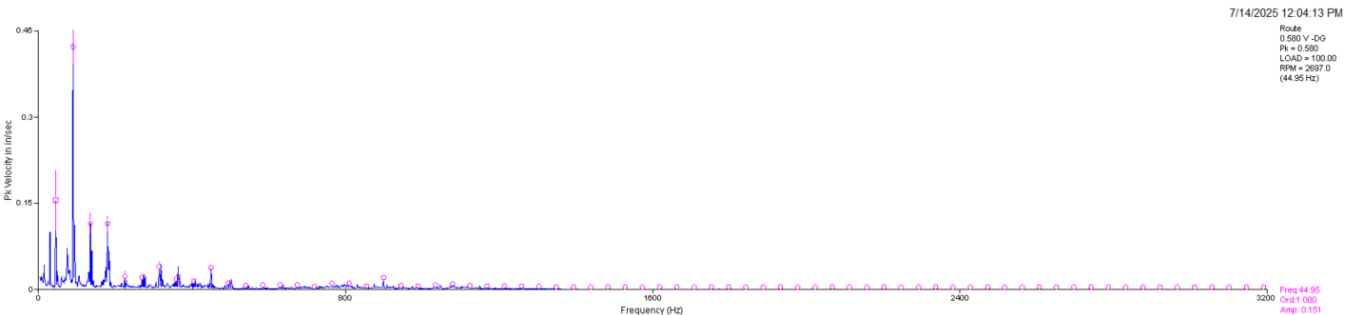
Summary



Multi-Point Spectra Motor/Blower



Blower Drive End Horizontal



Blower ODE Axial

Vibration data shows a significant amount of vibration in the blower. Motor also has some vibration mostly at blower speed. Blower data shows a high 1 x rpm vibration which may be some imbalance; however, there are also a 2 x and 3 x rpm peak along with some rpm harmonics which indicates that other issues are present. There appears to be some non-synchronous peaks in the blower data that likely indicate bearing defects/wear of the blower bearings. It is recommended to perform an in-depth inspection of the blower wheel, blower shaft/bearings, sheaves/belts, as soon as scheduling will allow. This is rated as a **CLASS III** defect.

Abbreviated Last Measurement Summary

Database: Analysis.rbm
Area: ANALYSIS


MEASUREMENT POINT	OVERALL LEVEL	HFD / VHFD
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A-2	LAUNDRY CHUTE SUCTION BLOWER	(14-Jul-25)
	OVERALL LEVEL	1K-20KHz
MOH	.276 In/Sec	2.953 G-s
MOV	.415 In/Sec	.773 G-s
MIH	.631 In/Sec	2.895 G-s
MIV	.596 In/Sec	.366 G-s
MIA	.511 In/Sec	.676 G-s
EIA	.594 In/Sec	.321 G-s
EIH	1.234 In/Sec	1.494 G-s
EIV	.344 In/Sec	.335 G-s
EOH	.460 In/Sec	1.596 G-s
EOV	.291 In/Sec	.343 G-s
EOA	.580 In/Sec	.440 G-s

Clarification Of Vibration Units:

Acc --> G-s RMS
Vel --> In/Sec PK

As always, it has been a pleasure to serve Jackson-Madison General Hospital. If there are any comments or questions, do not hesitate to contact us.

Sincerely,

A handwritten signature in black ink that reads "Kevin W. Maxwell". The signature is fluid and cursive, with the first name "Kevin" and last name "Maxwell" clearly legible.

Senior Reliability Specialist
ISO Certified Vibration Analyst, Category III



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