



QualiTest® Diagnostics

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April 10, 2024

Coca-Cola
West Memphis, AR

The following is a summary of findings from the vibration analysis performed on April 8, 2024. Please let us know if there are any questions or comments.

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.

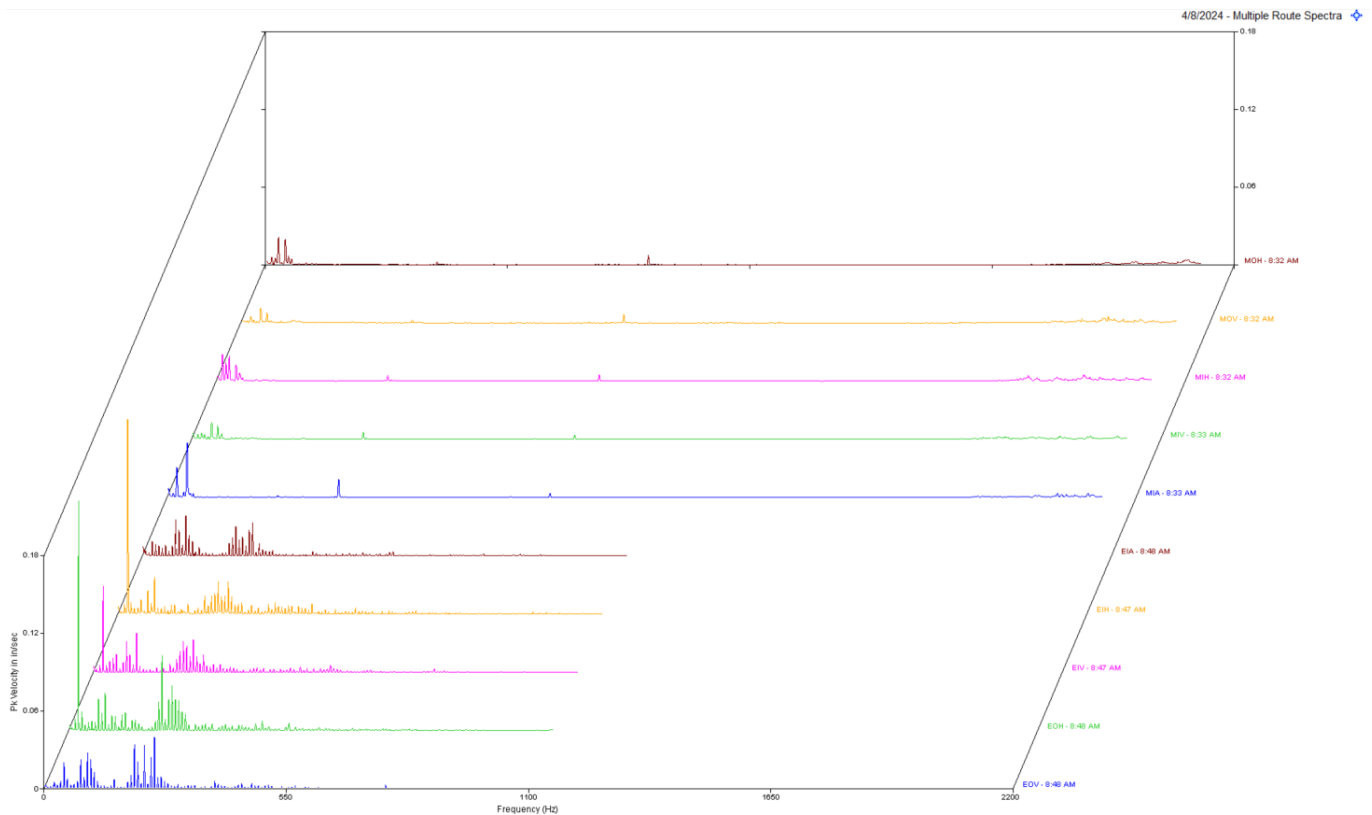
Class II: Defect (s) present that may cause problem in long term (2-6 months). Repair during normal maintenance scheduling. Continue to monitor.

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.

Compressor 4 CLASS I



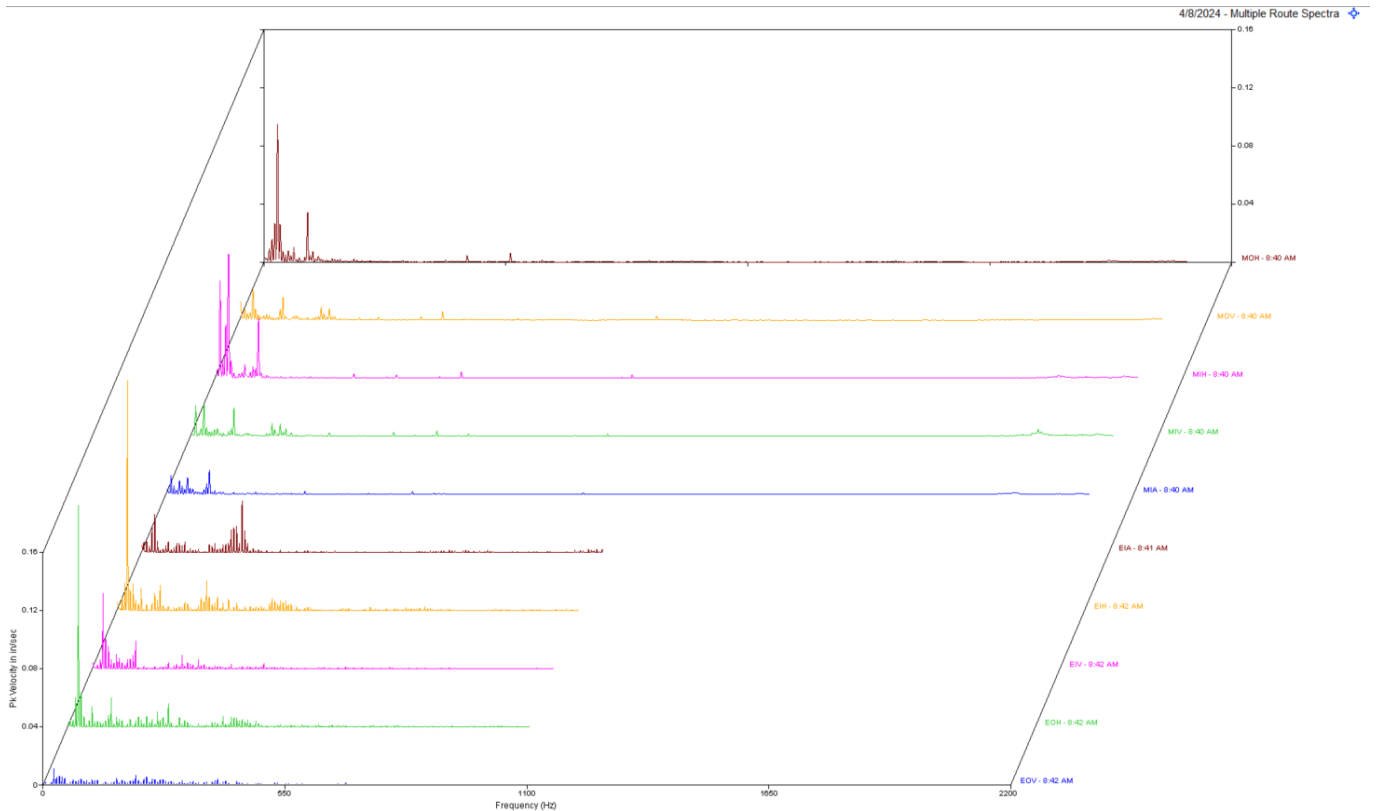
Observation:

Data shows some rpm harmonics present in compressor end. This is likely common with this type of compressor however the number of harmonics and amplitudes of the peaks is slightly higher than Compressor #3.

Recommendation:

Compressor #4 appears to have slightly more rpm harmonics in spectra which may indicate higher internal clearances than Compressor #3. If possible, it is recommended to inspect internal clearances ensuring that they are within specification.

Compressor 3



Observation:

Data of Compressor #3 shows similar data as #4 but with a smaller amount of rpm harmonics and slightly lower amplitudes. Both compressors shows a dominant peak at 22 Hz, which could be a resonant frequency or a fundamental frequency of the gearbox.

Recommendation:

There appears to be no issues here to report. We have no historical data of these units, but amplitudes are within normal limits of a machine of this type.

Abbreviated Last Measurement Summary

| MEASUREMENT POINT ----- | OVERALL LEVEL ----- | HFD / VHFD ----- |
|----------------------------|------------------------|---------------------|
|----------------------------|------------------------|---------------------|

| | | |
|--------------|---------------|-----------|
| Compressor 4 | (08-Apr-24) | |
| | OVERALL LEVEL | 1K-20KHz |
| MOH | .041 In/Sec | 1.014 G-s |
| MOV | .028 In/Sec | 1.017 G-s |
| MIH | .045 In/Sec | 1.331 G-s |
| MIV | .028 In/Sec | 1.189 G-s |
| MIA | .060 In/Sec | 1.624 G-s |
| EIA | .088 In/Sec | .229 G-s |
| EIH | .200 In/Sec | .195 G-s |
| EIV | .107 In/Sec | .169 G-s |
| EOH | .216 In/Sec | .108 G-s |
| EOV | .095 In/Sec | .154 G-s |

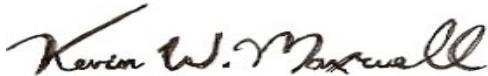
| | | |
|--------------|---------------|-----------|
| COMPRESSOR 3 | (08-Apr-24) | |
| | OVERALL LEVEL | 1K-20KHz |
| MOH | .122 In/Sec | .987 G-s |
| MOV | .042 In/Sec | 1.201 G-s |
| MIH | .135 In/Sec | 1.440 G-s |
| MIV | .049 In/Sec | .900 G-s |
| MIA | .034 In/Sec | 1.373 G-s |
| EIA | .069 In/Sec | .224 G-s |
| EIH | .174 In/Sec | .151 G-s |
| EIV | .070 In/Sec | .084 G-s |
| EOH | .167 In/Sec | .179 G-s |
| EOV | .030 In/Sec | .118 G-s |

 Clarification Of Vibration Units:

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

As always, it has been a pleasure to serve Coca-Cola West Memphis. If there are any comments or questions, do not hesitate to contact us.

Sincerely,



ISO Certified Vibration Analyst, Category III



QualiTest® Diagnostics

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