



QualiTest® Diagnostics

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July 10, 2019

Coca-Cola
Memphis, TN

The following is a summary of findings from the July 2019 monthly vibration survey at your facility. All equipment collected was found in satisfactory condition except for the following items. 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.

Defects

C-2 Ammonia Compressor

Unit was not in operation this survey; however, the following most likely still applies: Compressor data is still showing a high 2 x rpm vibration this month. Ensure belts are in good shape, and tensioned properly and sheaves are properly aligned with minimal wear. Ensure all base bolts are tight and inspect frame/structure for cracks. We will continue to monitor the compressor closely. Rated as a **CLASS II** defect.

C-3 Ammonia Compressor

Previous data has suggested a possible electrical issue in the motor. This seems to be decreased to a much lower amplitude this survey. This may be due to the fact that more compressors were running this survey. Compressors were also loaded during testing rather than loading and unloading. We will monitor the electrical vibration in the motor closely. Rated as a **CLASS I** defect.

C-5 Ammonia Compressor

Motor vibration has decreased some this survey. This may be due to the fact that more compressors were running this survey. Compressors were also loaded more consistently during testing rather than loading and unloading. For now, ensure belts are in good shape, and tensioned properly and sheaves are properly aligned with minimal wear. Ensure all base bolts are tight as well. Rated as a **CLASS II** defect.

Tank #4 Mixer Drive

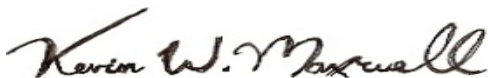
Mixer unit has visible movement. This appears to be caused by a loose or broken mounting bracket. Inspect unit as scheduling allows. Rated as a **CLASS II** defect.

Tank #5 Mixer Drive

Motor and gear drive inboard horizontal data is showing signs of defects and wear in the unit. We will monitor this closely. Rated as a **CLASS II** defect.

As always, it has been a pleasure to serve CCBC Memphis Bottling Plant. 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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