



MILLINGTON, TN

October 21, 2019

SONOCO

Subject: October vibration report

Most of the machines surveyed were found to be in good condition with the exception of the following:

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.

This completes our assessment of your equipment for this survey. Thank you for your business and don't hesitate to call if you have any comments or questions.

Sincerely,

David W. Shook
Senior Reliability Specialist
Hi-Speed Industrial Service
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Observations

Coater Main Exhaust Fan

No Issues.

Coater Zone 1 Fan Unit

No issues.

Coater Zone 2 Fan Unit

No issues.

Coater Zone 3 Fan Unit

Vibrations are up at 27 HZ. 0.69"/sec velocity in the motor axial.

Check belts and sheaves for wear, run out and alignment. **Rated a Class II Defect.**

Coater Zone 4 Fan Unit

No issues.

Coater Zone 5 Fan Unit

No issues.

Coater Zone 6 Fan Unit

No issues.

Coater Exhaust Fan Unit

No issues.

Coater Cooling Zone A Fan Unit

No issues.

Coater Cooling Zone B Fan Unit

No issues.

Vacuum pump 1

The vibrations are just below 0.5"/sec velocity for the motor axial. Check the sheave run out and alignment as time allows. **Rated a Class II Defect.**

Vacuum pump 2

The vibrations are at 0.5"/sec velocity for the motor verticals. Check the motor feet, base and fasteners as time allows. **Rated a Class II Defect.**

Cooling tower pump 1

No issues.

Cooling tower pump 2

Possible slight bearing issue in motor outboard. Acceleration is at 1.5 g's overall.

A Blower

No issues.

C Blower

No issues.

D Blower

No issues.