HI-SPEED INDUSTRIAL SERVICE

MILLINGTON, TN

July 6, 2020

Most

Subject: Dust Collector vibration service

Both units need similar attention, but at different ratings. Supporting data follows.

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,

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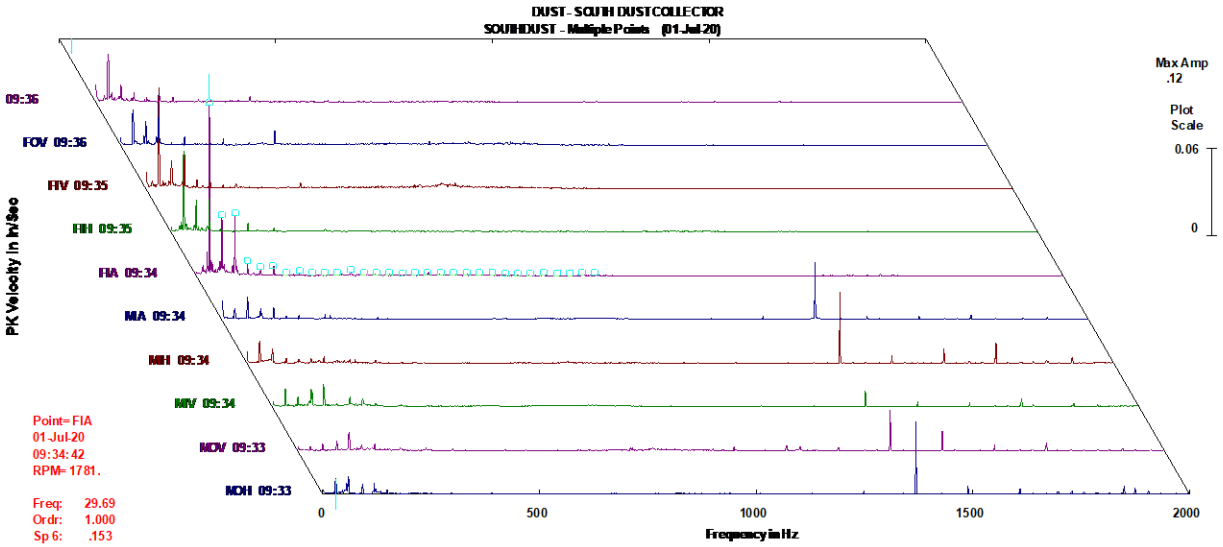
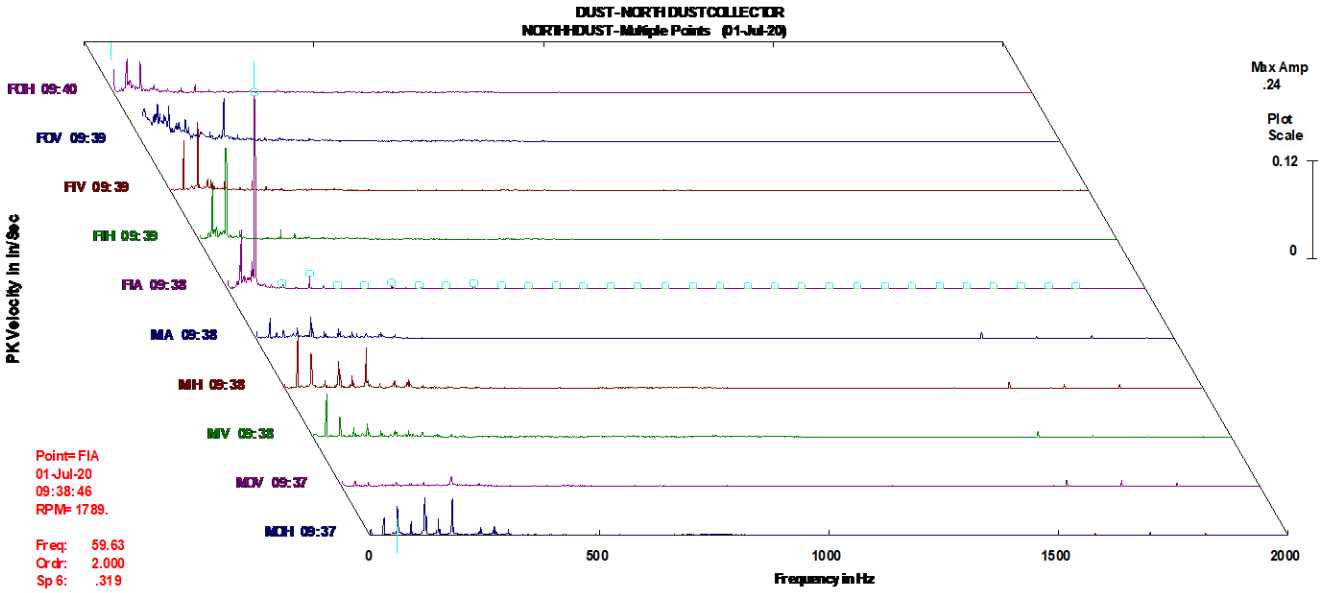
South Dust Collector Fan



The south fan looks pretty good. A 1x RPM vibration dominates the fan axial, but its only 0.15”/sec velocity peak. We recommend the same as the North fan below but at a lower rating. **Rated a Class I Defect.**

North Dust Collector Fan



The North fan has most always been a good unit. The data shows a dominant 2x RPM vibration in the fan axial over 0.3”/sec velocity peak. That is usually a good indication of some misalignment, or possibly a coupling issue. Inspect the coupling and bearings and perform the annual service on them, and have the alignment checked. **Rated a Class II Defect** since this does not have much down time.