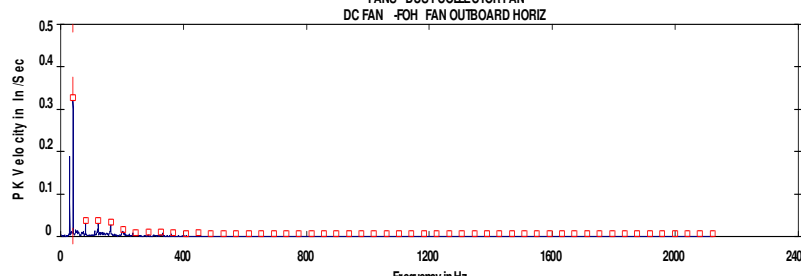
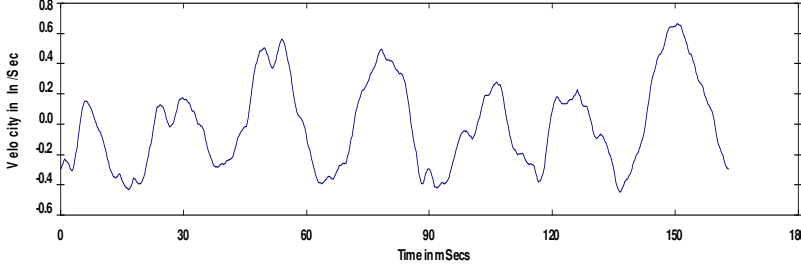
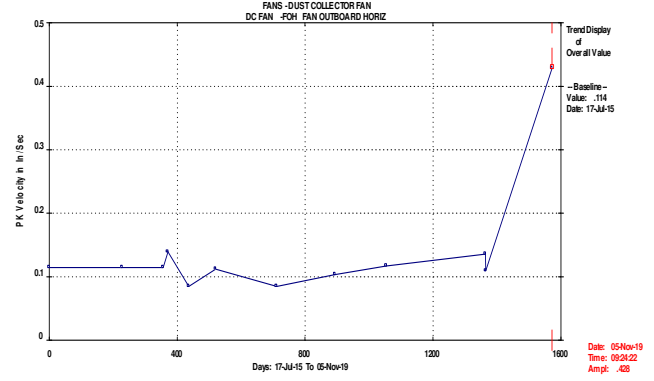




Client	Arvin Sango	Survey Date	11-5-19
Location	Henderson, TN	Report Date	11-6-19
Machine	Dust Collector Fan	QMS No.	141108
Component	Fan	Analyst	DWS

Defect Rating for this machine	CLASS II
Defect Rating System	
Class I: Defect is present, but effect on reliability is not clear; no immediate action is required. Continue normal monitoring.	Class III: Defect (s) present that may cause failure in short term (less than 2 mos.). Should be addressed as soon as practical, with a high maintenance priority. Increase monitoring frequency.
Class II: Defect (s) present that may cause problem in long term (2-6 mos.). Repair during normal maintenance scheduling. Continue to monitor.	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.

Vibration Data	Analysis
<p>FANS - DUSTCOLLECTOR FAN DC FAN - FOH FAN OUTBOARD HORIZ</p>  <p>Route Spectrum 05-Nov-19 09:24:27 OVERALL = .4278 V-DG PK = .4267 LOAD = 100.0 RPM = 1800. (30.00 Hz)</p>  <p>Route Waveform 05-Nov-19 09:24:27 PK = .4075 PK(+) = .6657/.4484 CREST = 2.31</p> <p>Freq: 40.51 Ord: 1.350 Spec: .322</p>	<p>1x fan and motor vibrations in the fan outboard bearing data. Overall is almost 1/2" per second.</p>

Discussion / Repair recommendations	Trend Data
<p>The vibration data shows an increase in fan shaft vibrations at fan and motor speed. We suspect one or more of the following issues: Build up on the fan wheel plus: sheaves out of alignment, worn sheaves, worn belts, eccentric shaft or sheave, loose fasteners, and possible frame cracks. Clean and inspect the fan wheel and all associated parts. Call for a trim if needed. Rated A Class II Defect.</p>	 <p>Trend Display Overall Value Baseline Value: .114 Date: 17-Jul-15</p> <p>Date: 05-Nov-19 Time: 09:24:22 Ampl: .428</p>