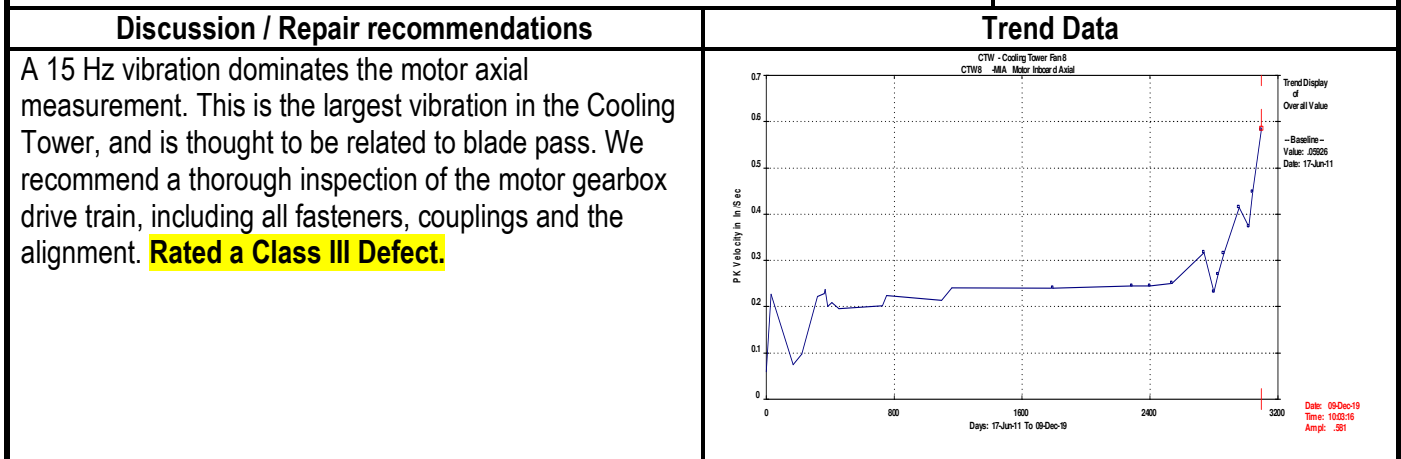
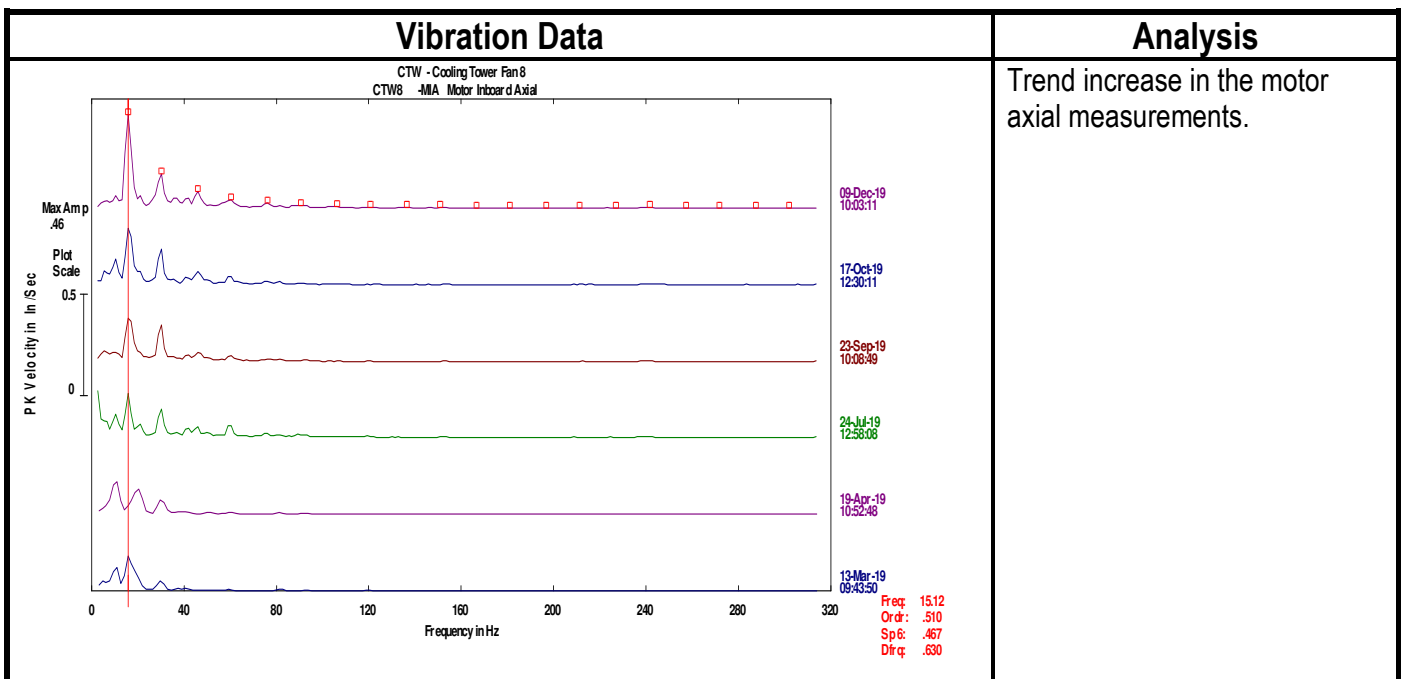




Client	Dell Power Plant	Survey Date	10-9-19
Location	Dell AR	Report Date	10-11-19
Machine	Cooling Tower 8 Motor	QMS No.	141345
Component	Axial	Analyst	DWS

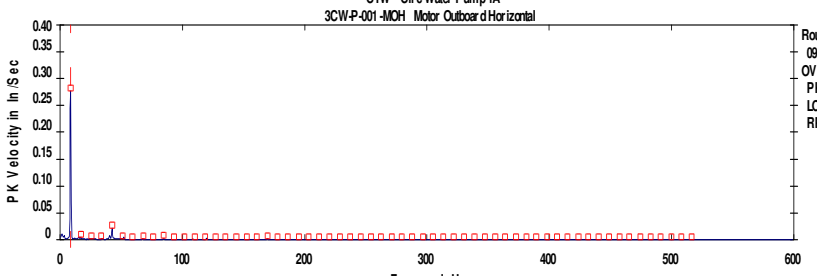
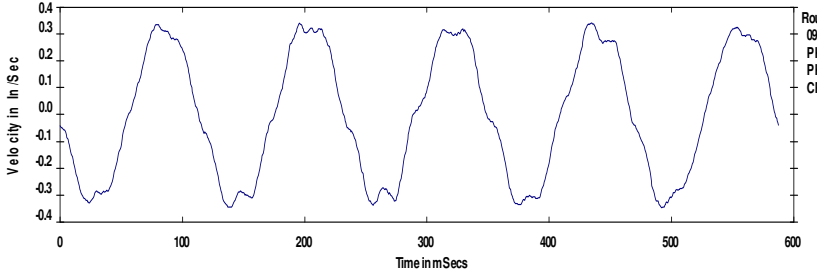
Defect Rating for this machine	<b>Class III</b>
Defect Rating System	
<b>Class I:</b> Defect is present, but effect on reliability is not clear; no immediate action is required. Continue normal monitoring.	<b>Class III:</b> Defect (s) present that may cause failure in short term (less than 2 mos.). Should be addressed as soon as practical, with a high maintenance priority. Increase monitoring frequency.
<b>Class II:</b> Defect (s) present that may cause problem in long term (2-6 mos.). Repair during normal maintenance scheduling. Continue to monitor.	<b>Class IV:</b> Defect (s) present that makes continued reliability unpredictable, and possibility of secondary damage is high. <b>Repairs should be made ASAP. An unscheduled shutdown should be considered for repairs.</b>

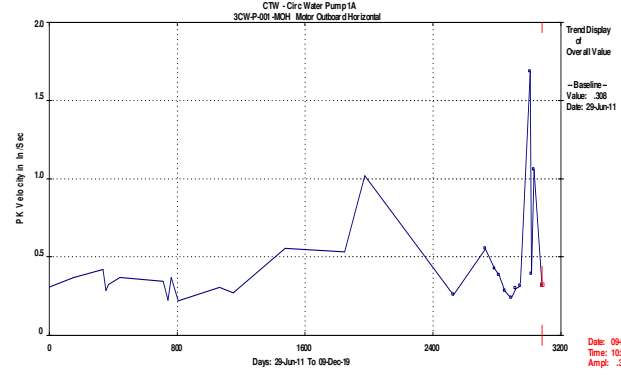




Client	Dell Power Plant	Survey Date	10-9-19
Location	Dell AR	Report Date	10-11-19
Machine	Circulating Water Pump 1	QMS No.	141345
Component	Unit	Analyst	DWS

Defect Rating for this machine	NA
Defect Rating System	
<b>Class I:</b> Defect is present, but effect on reliability is not clear; no immediate action is required. Continue normal monitoring.	<b>Class III:</b> 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.
<b>Class II:</b> Defect (s) present that may cause problem in long term (2-6 mos.). Repair during normal maintenance scheduling. Continue to monitor.	<b>Class IV:</b> Defect (s) present that makes continued reliability unpredictable, and possibility of secondary damage is high. <b>Repairs should be made ASAP. An unscheduled shutdown should be considered for repairs.</b>

Vibration Data	Analysis
<p>CTW - Circ Water Pump 1A 3CW-P-001-MOH Motor Outboard Horizontal</p>  <p>Route Spectrum 09-Dec-19 10:25:26 OVERALL= .3125 V-DG PK = .3116 LOAD = 100.0 RPM = 908. (8.47 Hz)</p>  <p>Route Waveform 09-Dec-19 10:25:26 PK = .3305 PK(μ)= .3409/.3471 CRESTF= 1.48</p> <p>Freq: 8.472 Ord: 1.000 Spec: .310</p>	<p>The dominant vibration is at near 8.5 HZ.</p>

Discussion / Repair recommendations	Trend Data
<p>The motor vibration has dropped after replacement. We will keep a close eye on it in the near future. Not Rated.</p>	 <p>Trend Display of Overall Value - Baseline - Value: .308 Date: 25-Jun-11</p> <p>Date: 09-Dec-19 Time: 10:25:18 Ampl: .313</p>