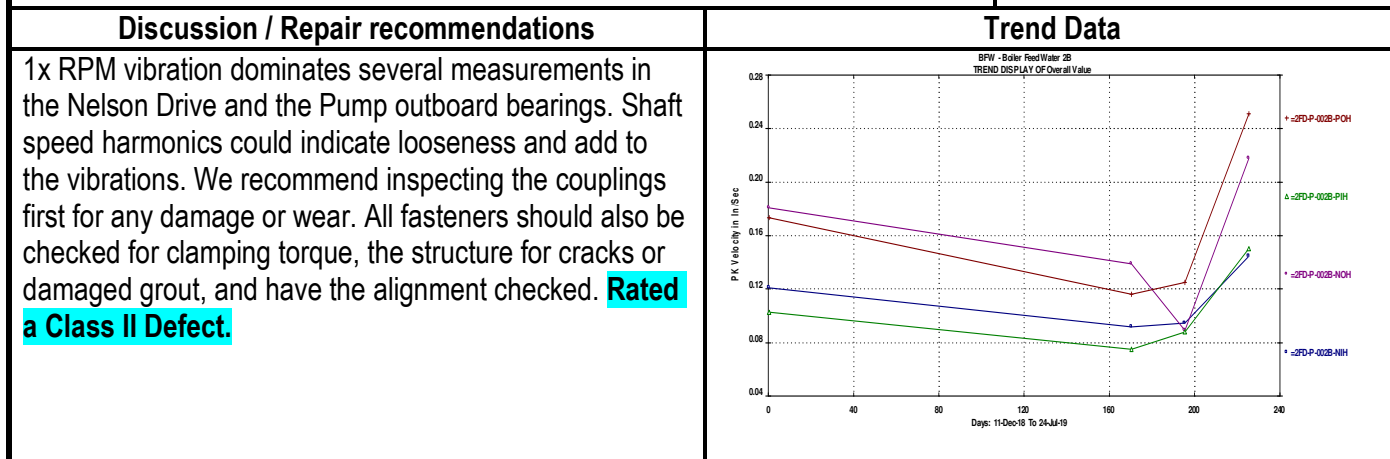
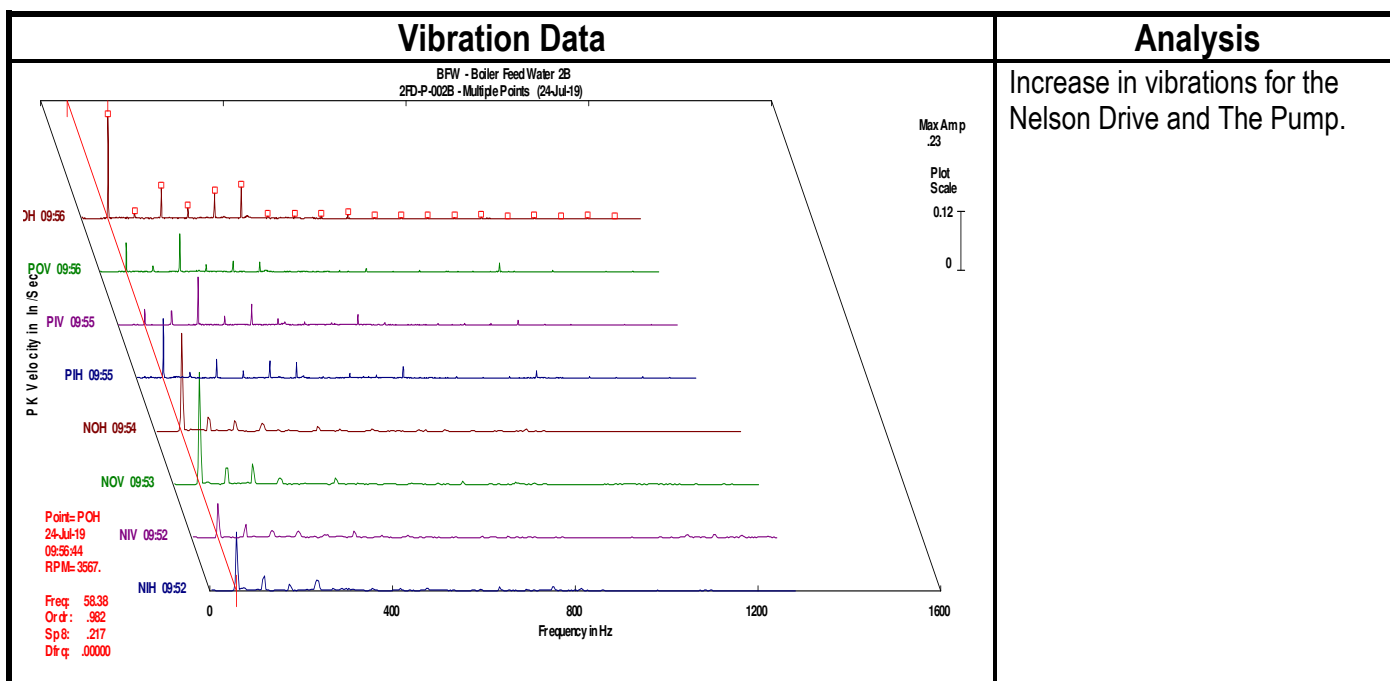




Client	A.E.C.I. Dell	Survey Date	7-30-19
Location	Dell, AR	Report Date	7-30-19
Machine	BFWP 2B	QMS No.	140203
Component	Nelson Drive and Pump	Analyst	DWS

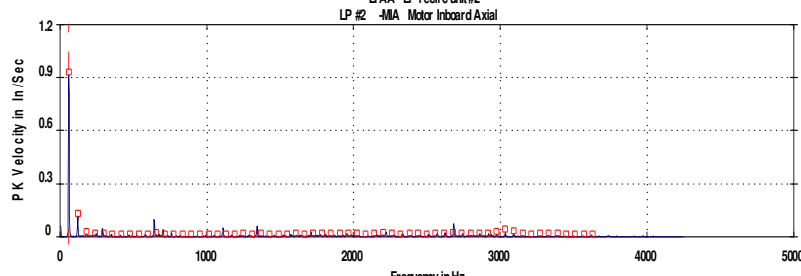
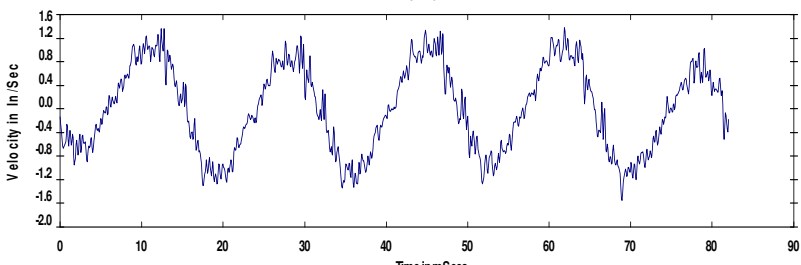
Defect Rating for this machine	Rated a Class II Defect.
Defect Rating System	
Class I: Defect is present, but effect on reliability is not clear; no immediate action is required. Continue normal monitoring.	Class III: Defect (s) present that may cause failure in short term (less than 2 mos.). Should 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.

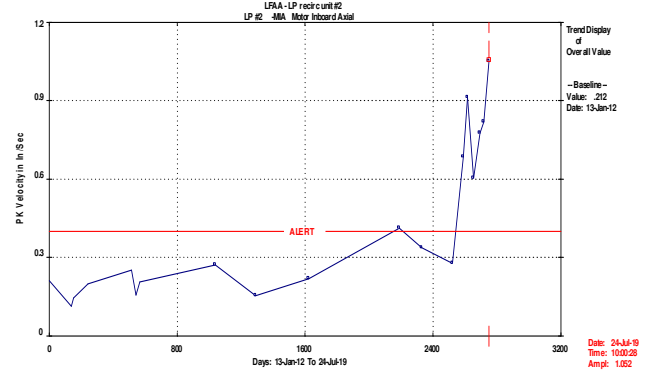




Client	A.E.C.I. Dell	Survey Date	7-30-19
Location	Dell, AR	Report Date	7-30-19
Machine	Unit 2 LP Recirculator Pump	QMS No.	140203
Component	Motor/alignment	Analyst	DWS

Defect Rating for this machine	Rated a Class IV Defect.
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>LFAA - LP recirc unit#2 LP #2 -MA Motor Inboard Axial</p>  <p>Route Spectrum 24-Jul-19 10:00:38 OVERALL=1.05 V-DG PK = 1.05 LOAD = 100.0 RPM = 3665 (59.42 Hz)</p>  <p>Route Waveform 24-Jul-19 10:00:38 PK = 1.02 PK(+-) = 1.37/1.55 CRESTF=2.14</p> <p>Freq: 58.44 Ord: .984 Spec: .917</p>	<p>High 1x RPM vibration with modulation.</p>

Discussion / Repair recommendations	Trend Data
<p>High vibration above 1"/sec velocity peak in the axial most likely indicates excessive shaft misalignment and could lead to eventual motor failure, possibly within a short time frame. Bearing Fluting still is apparent, but is not the main concern here. Rated a Class IV Defect.</p>	 <p>Trend Display Overall Value - Baseline - Value: .212 Date: 13-Jan-12</p> <p>Date: 24-Jul-19 Time: 10:00:28 Ampl: 1.052</p>