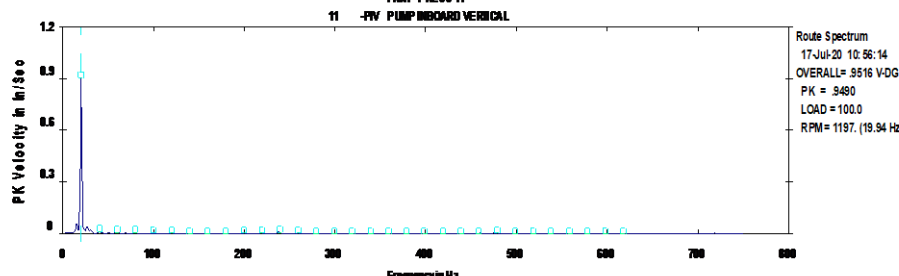
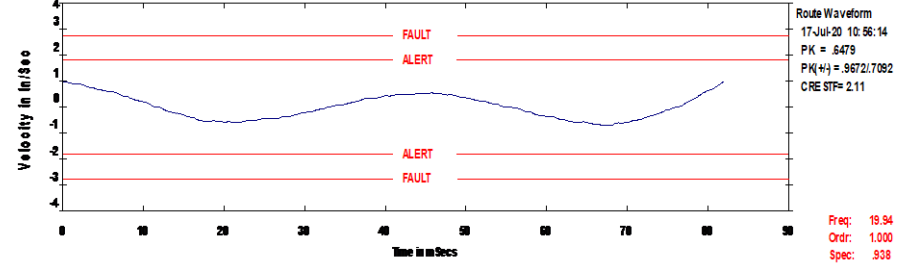
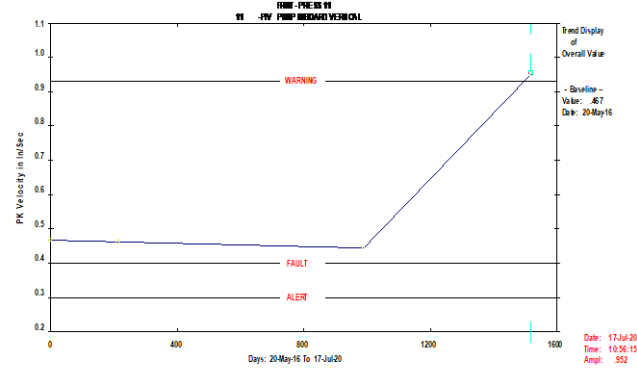




Client	US Farathane	Survey Date	7-17-20
Location	Jackson, TN	Report Date	7-21-20
Machine	Press 11	QMS No.	142926
Component	Drive Train	Analyst	DWS

Defect Rating for this machine	Class III
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.

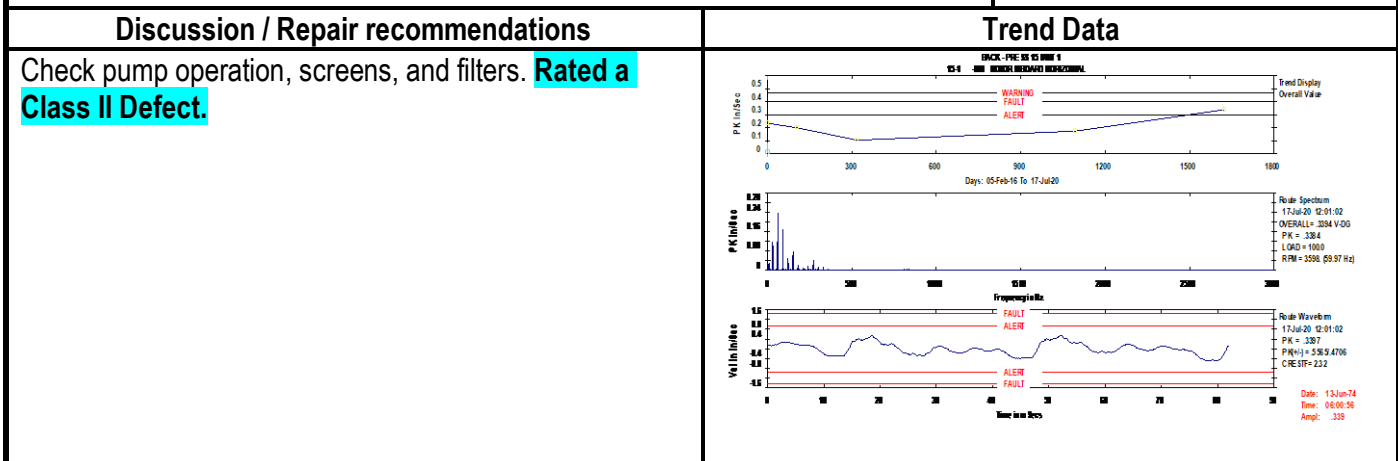
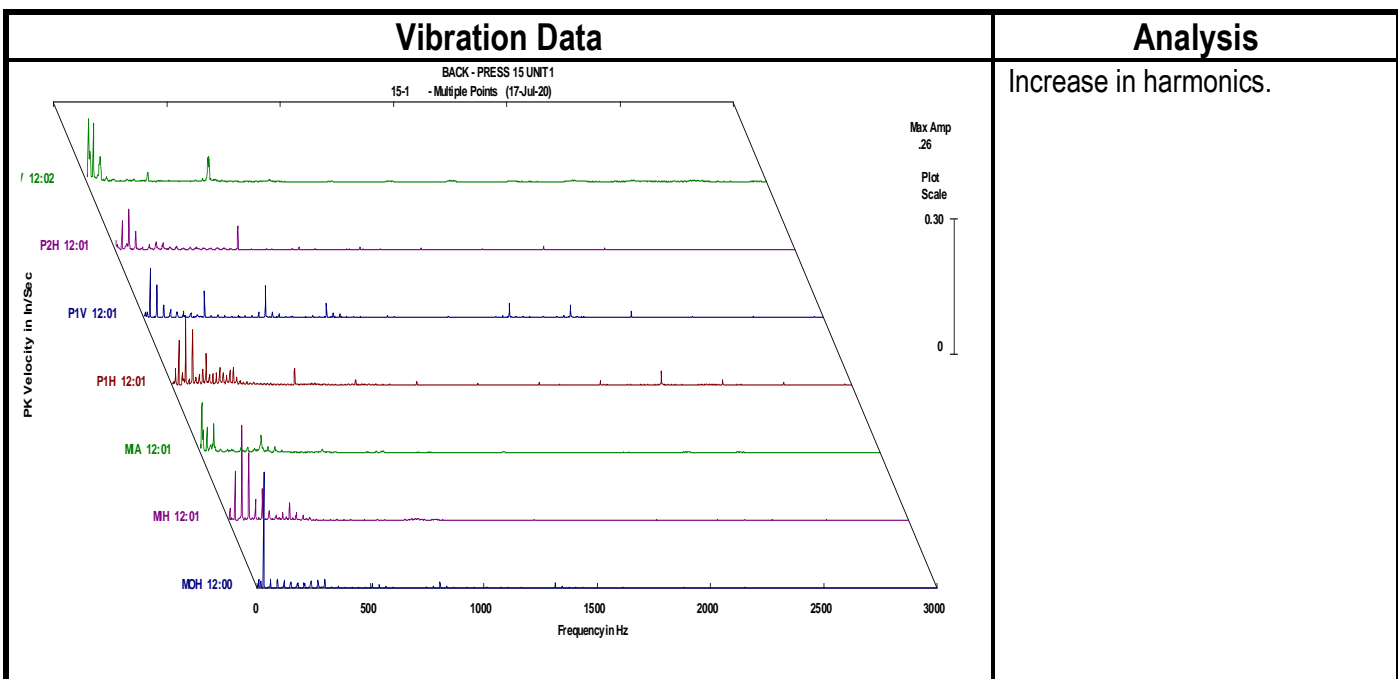
Vibration Data	Analysis
<p>FRONT-PRESS 11 11 -FW PUMP INBOARD VERTICAL</p>  <p>Route Spectrum 17-Jul-20 10:56:14 OVERALL= .9516 V-DG PK = .9490 LOAD = 100.0 RPM = 1197. (19.94 Hz)</p>  <p>Route Waveform 17-Jul-20 10:56:14 PK = .8479 PK(4) = .9672/7.092 CRE STR= 2.11</p> <p>Freq: 19.94 Ordr: 1.000 Spec: .938</p>	<p>Large shaft speed vibration in the pump.</p>

Discussion / Repair recommendations	Trend Data
<p>This unit has a large 1x RPM vibration that is dominant in the pump. Inspect the drivetrain, frame, base, and all fasteners. We suspect a coupling issue is the root cause.</p> <p>Rated a Class III Defect.</p>	 <p>Trend Display of Overall Value</p> <p>Baseline = .67 Date: 20-May-16</p> <p>Date: 17-Jul-20 Time: 10:56:15 Ampl: .952</p>



Client	US Farathane	Survey Date	7-17-20
Location	Jackson, TN	Report Date	7-21-20
Machine	Press 15-1	QMS No.	142926
Component	Unit	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.





Client	US Farathane	Survey Date	7-17-20
Location	Jackson, TN	Report Date	7-21-20
Machine	Press 16-2	QMS No.	142926
Component	Unit	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.

