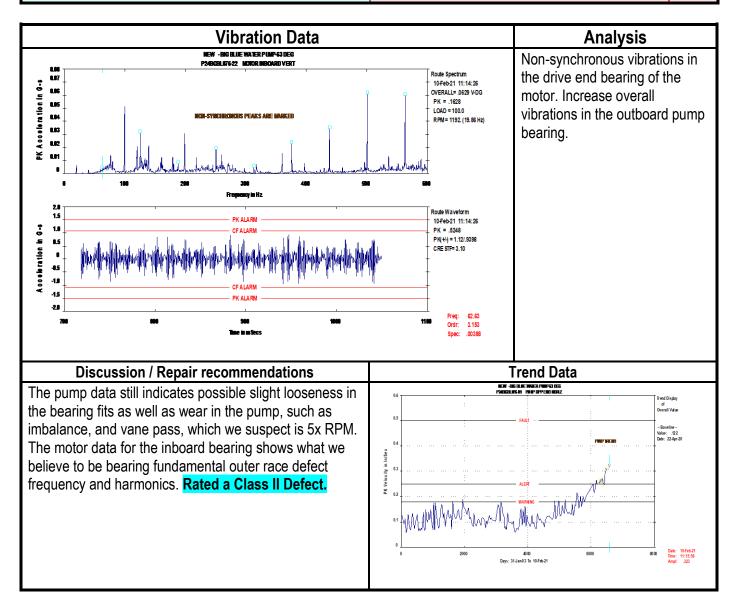


Client	PENNAKEM	Survey Date	2-10-2021
Location	Memphis, TN	Report Date	2-12-2021
Machine	Big Blue 63° Water Pump	QMS No.	144471
Component	Motor and Pump Issues	Analyst	DWS

Defect Rating for this machine	CLASS II			
Defect Rating System				
<b><u>Class I:</u></b> 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.			
<u>Class II:</u> Defect (s) present that may cause problem in long term (2-6 mos.). Repair during normal maintenance scheduling. Continue to monitor.	<u>Class IV:</u> Defect (s) present that makes continued reliability unpredictable, and possibility of secondary damage is high. <i>Repairs should be made</i> <i>ASAP. An unscheduled shutdown should be considered for repairs.</i>			





Client	PENNAKEM	Survey Date	2-10-2021
Location	Memphis, TN	Report Date	2-12-2021
Machine	New Vacuum Pump Pilot Plant	QMS No.	144471
Component		Analyst	DWS

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

