

Client	Pennakem	Survey Date	7-29-2020
Location	Memphis, TN	Report Date	8-4-2020
Machine	C67-51 Compressor	QMS No.	142976
Component	Motor	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.	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	Pennakem	Survey Date	7-29-2020
Location	Memphis, TN	Report Date	8-4-2020
Machine	P4C-102A Boiler Feed Water Pump	QMS No.	142976
Component	Outer bearing in the pump	Analyst	DWS

Defect Rating for this machine	Class IV	
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.	
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. <i>Repairs should be made</i> ASAP. An unscheduled shutdown should be considered for repairs.	





Client	Pennakem	Survey Date	7-29-2020
Location	Memphis, TN	Report Date	8-4-2020
Machine	P24-63 Degree Pump	QMS No.	142976
Component	Bearings	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. Repairs should be made ASAP. An unscheduled shutdown should be considered for repairs.	





Client	Pennakem	Survey Date	7-29-2020
Location	Memphis, TN	Report Date	8-4-2020
Machine	P24-83 Degree North Pump	QMS No.	142976
Component		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	Class III; Defect (s) present that may cause failure in short term (less than 2	
action is required.	mos.). Should be addressed as soon as practical, with a high maintenance	
Continue normal monitoring.	priority. Increase monitoring frequency.	
Class II: Defect (s) present that may cause problem in long term (2-6 mos.).	Class IV; Defect (s) present that makes continued reliability unpredictable,	
Repair during normal maintenance scheduling. Continue to monitor.	and possibility of secondary damage is high. Repairs should be made	
	ASAP. An unscheduled shutdown should be considered for repairs.	

