


SOUTHVALE MOTOR & PUMP UNITS VA STATUS REPORT AS OF 15 FEB 2019	MAYNILAD WATER SERVICES INC		 OneProd Brand of ACOEM
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DOCUMENT TITLE

SOUTHVALE MOTOR & PUMP UNITS VA STATUS REPORT AS OF 15 FEB 2019

COMMENT

SOUTHVALE PUMP STATION

VISA

Written by	Approved by	State	Date
ENGR.JAY DIMALIBOT	ENGR. PETER VASQUEZ	PHI	25/03/2019 08:52:27

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Synthesis Report

Filter: Equipment name (+) \ Tree order (+)

Location	Equipment	Diagnosis				Recommendations
		Previous Date		Current Date		
SOUTHVALE PUMP\	BOOSTER PUMP UNIT 1			FAIR		Check rubbing noise at Motor NDE
				15/02/2019 15:08:12		
		Oper.		Oper.	DfCnd	
		Rubbing (Metal to metal) at Motor NDE				
SOUTHVALE PUMP\	BOOSTER PUMP UNIT 2			FAIR		Continue monitor and trend Motor NDE Brg
				15/02/2019 14:59:51		
		Oper.		Oper.	DfCnd	
		Motor NDE Bearing Inner Race Fault				
SOUTHVALE PUMP\	BOOSTER PUMP UNIT 3			CRITICAL		Schedule Reconditioning of Motor & Pump
				15/02/2019 15:05:27		
		Oper.		Oper.	DfCnd	
		Misalignment, Unbalance, Rotating Loosen				
SOUTHVALE PUMP\	BOOSTER PUMP UNIT 4			CRITICAL		Schedule Reconditioning of Pump
				15/02/2019 15:18:55		
		Oper.		Oper.	DfCnd	
		Rotating Looseness and Misalignment				

Filter: Equipment name (+) \ Tree order (+)

Fixed speed



Condition


Parameters sheet

Rubbing (Metal to metal) at Motor NDE
Fair state for the component 'Electric motor'.

Rubbing or Metal to metal contact at below 1x peak or at 21 Hz

Check rubbing noise at Motor NDE
Check rubbing noise at Motor NDE



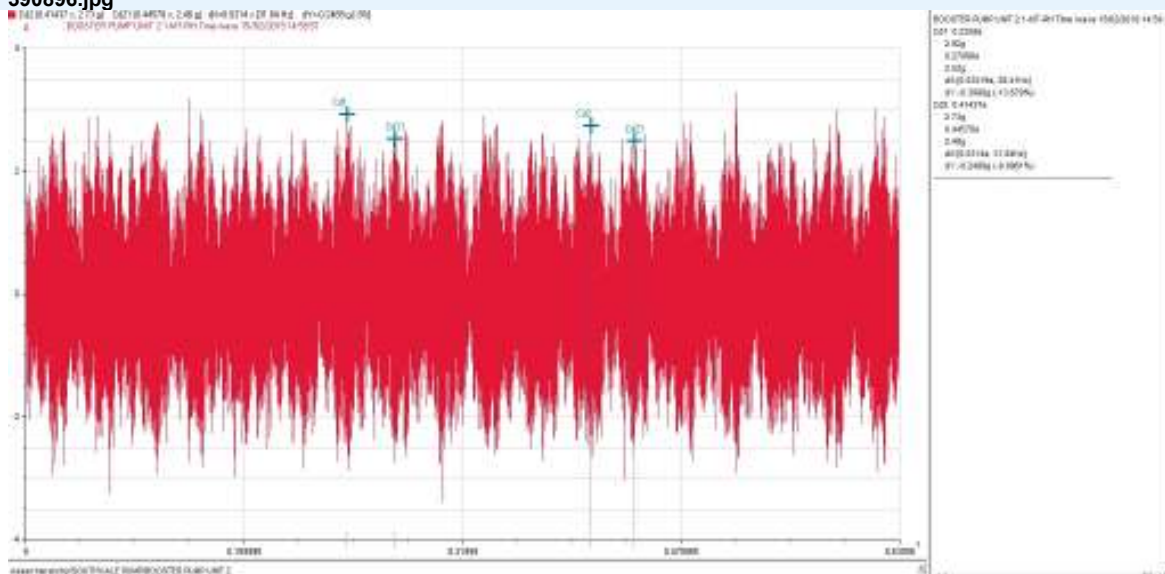
Location	SOUTHVALE PUMP\		Fixed speed	
Designation	SOUTHVALE PUMP STATION			
Equipment	BOOSTER PUMP UNIT 2			
Designation				
Abbreviation	BP#2			
Serial No				
Model				
Periodicity (d)	Normal 60	Alarm 15		
Previous Advice		Condition	Rotation Speed	
Date	15/02/2019 14:59:51		Speed 29.2 Hz / 1750 rpm	
Condition	FAIR Health is not acceptable for a long time service.		Author u1	
			System - Serial FALCON - 11407	
			Sensor	
DfCnd			Connector	
Diagnosis & Recommendation			Parameters sheet	
Diagnosis				
Motor NDE Bearing Inner Race Fault				
Fair state for component 'Electric motor'.				
Motor NDE Bearing Inner Race Fault - Stage 2 out of 4				
Recommendations				
Continue monitor and trend Motor NDE Brg				
Continue monitor and trend Motor NDE Brg.				

IP1.jpg



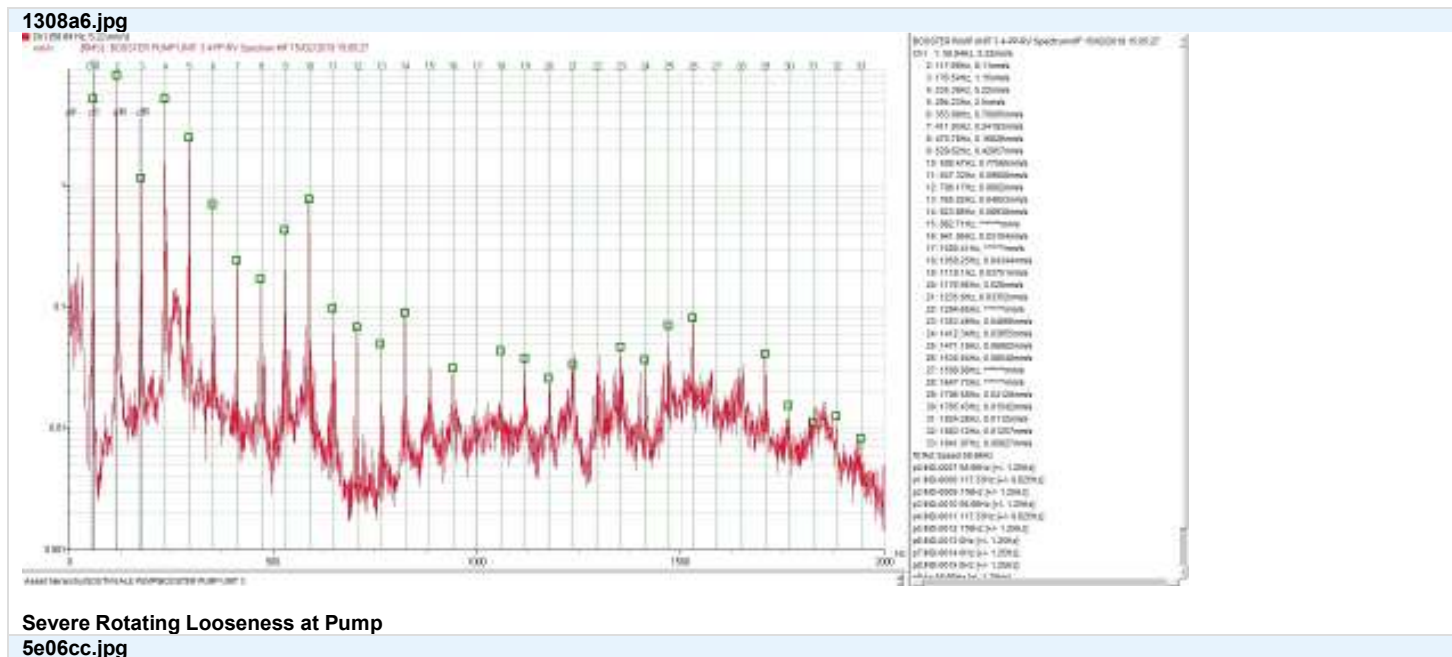
corrosion

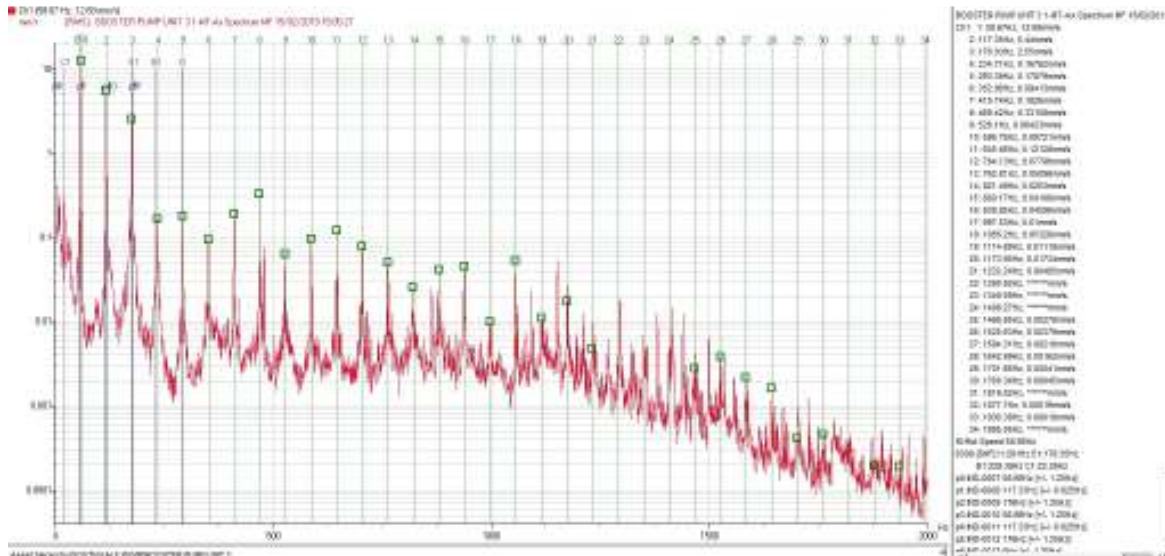
390896.jpg



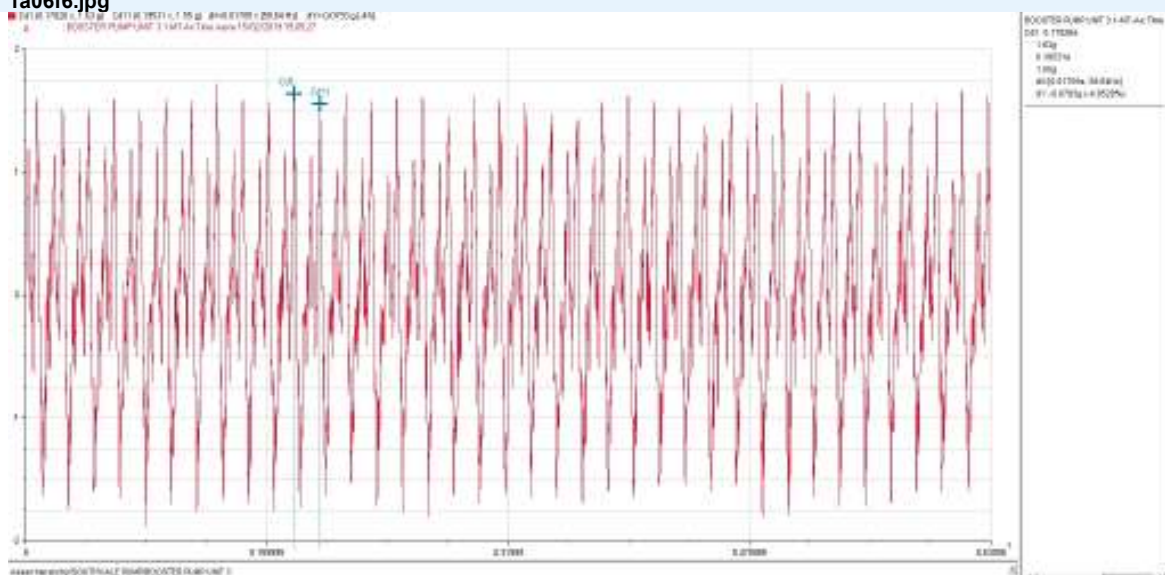
Motor NDE Bearing noise with Ringing rate at shaft rate

Location	SOUTHVALE PUMP\		Fixed speed	
Designation	SOUTHVALE PUMP STATION			
Equipment	BOOSTER PUMP UNIT 3			
Designation				
Abbreviation	BP#3			
Serial No				
Model				
Periodicity (d)	Normal 60	Alarm 15		
Previous Advice		Condition	Rotation Speed	
Date	15/02/2019 15:05:27	CRITICAL	Speed 58.7 Hz / 3520 rpm	
		Measurement observed shows that vibration levels could generate damages!	Author	u1
Condition			System - Serial	FALCON - 11407
DfCnd			Sensor	
			Connector	
Diagnosis & Recommendation			Parameters sheet	
Diagnosis				
Misalignment, Unbalance, Rotating Loosen				
Overall state NOT acceptable for the component 'Electric motor'.				
Highest vibrations measured at Motor NDE Axial with Overall velocity of 14.4 and dominant peak at 1x,2x,3x caused by Misalignment & Unbalance Fault				
Overall state NOT acceptable for the component 'Pump'.				
Rotating Looseness				
Recommendations				
Schedule Reconditioning of Motor & Pump				
Schedule Reconditioning of Motor & Pump to include Shop Balancing of Motor Rotor, Pump impeller assy balancing, Resleeving or restoration of shaft and housing bearing clearances.				




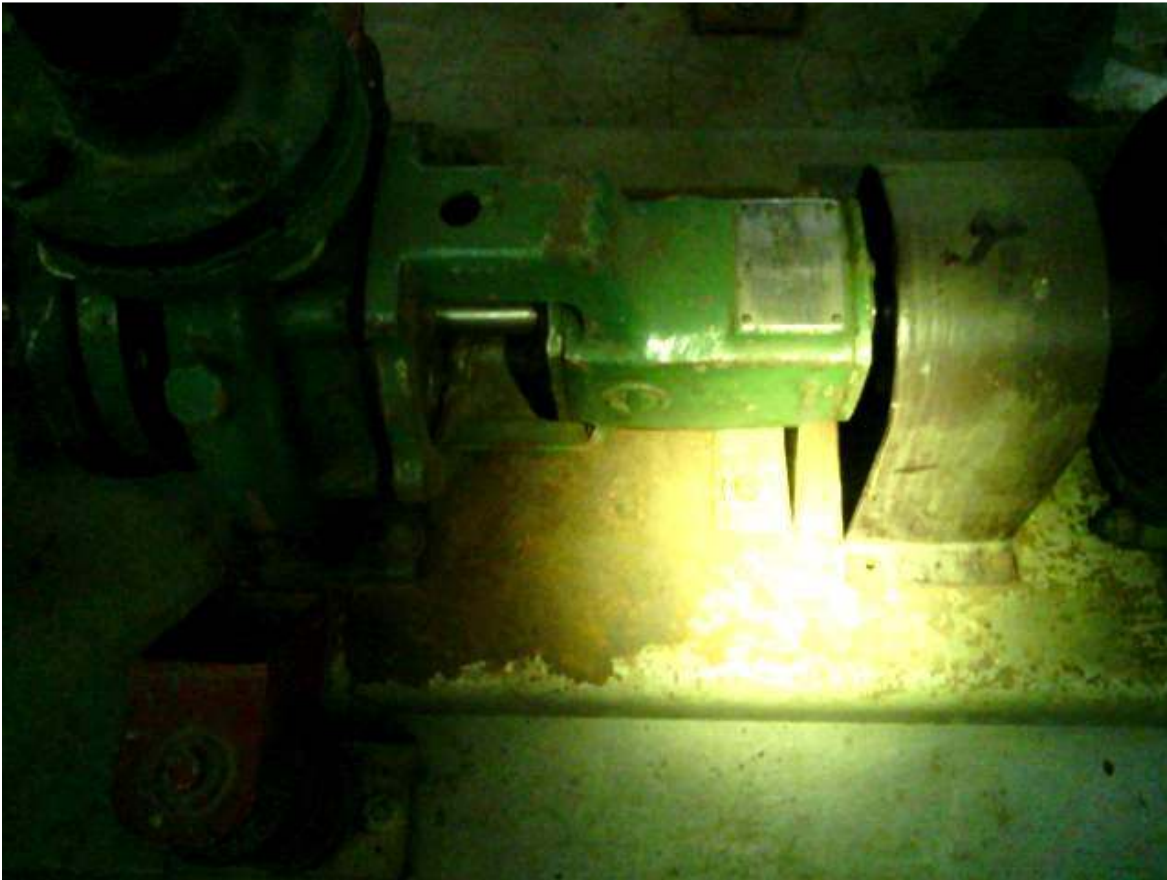


**Misalignment and Unbalance at 1x,2x,3x peaks
1a06f6.jpg**

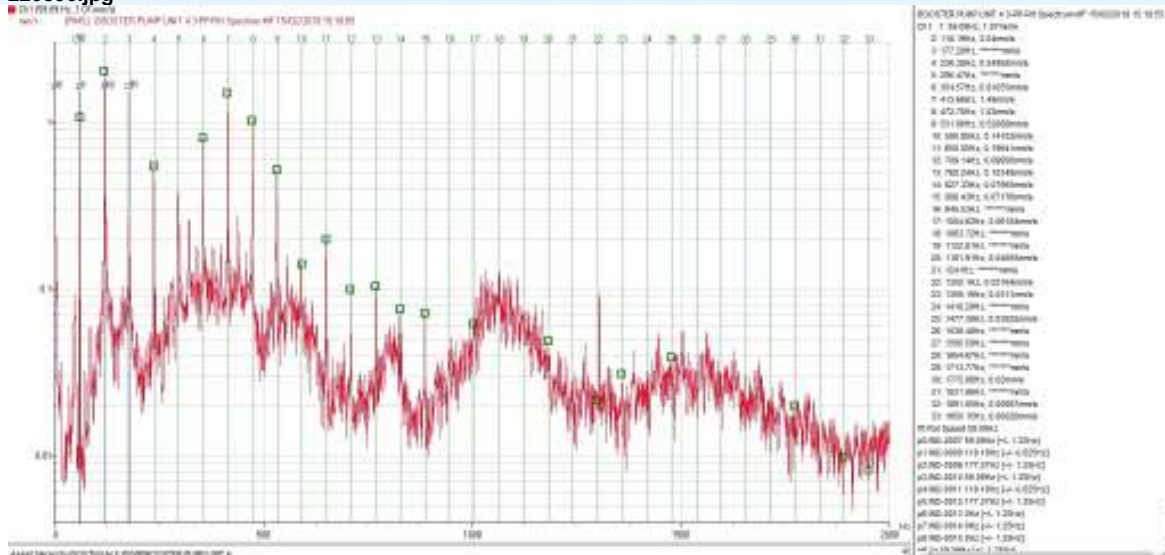


Misalignment fault pattern in Time Signal

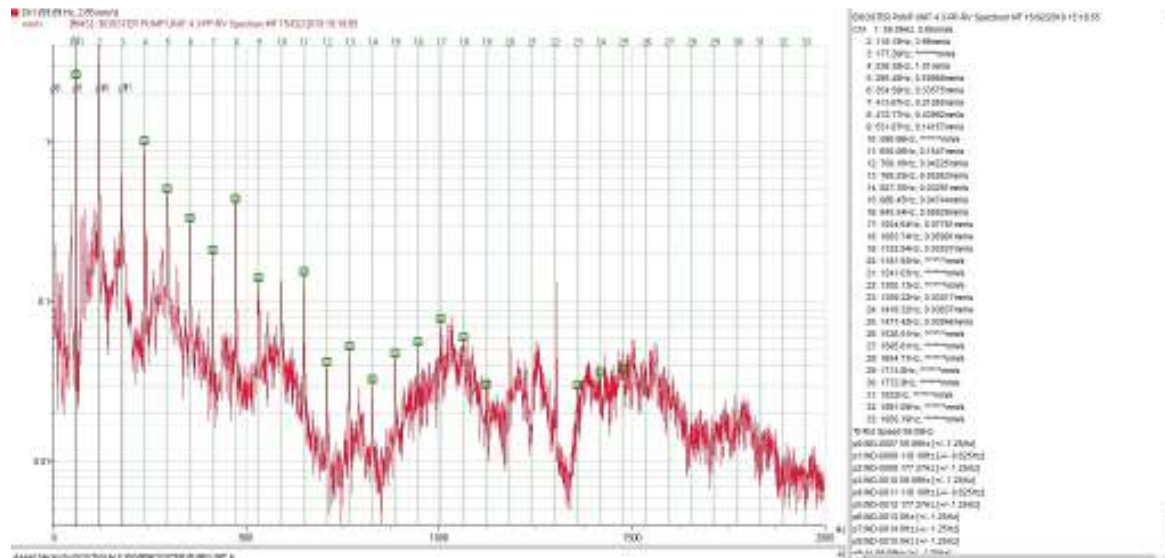
Location	SOUTHVALE PUMP\		Fixed speed	
Designation	SOUTHVALE PUMP STATION			
Equipment	BOOSTER PUMP UNIT 4			
Designation				
Abbreviation	BP#4			
Serial No				
Model				
Periodicity (d)	Normal 60	Alarm 15		
Previous Advice		Condition	Rotation Speed	
Date		CRITICAL		
15/02/2019 15:18:55		Measurement observed shows that vibration levels could generate damages!		
Condition				Speed 59.1 Hz / 3545 rpm
DfCnd				Author u1
				System - Serial FALCON - 11407
				Sensor
				Connector
Diagnosis & Recommendation			Parameters sheet	
Diagnosis				
Rotating Looseness and Misalignment				
Overall state still acceptable for the component 'Electric motor'.				
Overall state NOT acceptable for the component 'Pump'.				
Highest vibration measured at Pump IB Bearing Vertical with Overall Velocity of 6.07mm/s, with Defect Factor of 5.18 due to 1x Rate				
Repetitive Impact caused by Rotating Looseness at Pump Bearings, Rubbing and Misalignment				
Recommendations				
Schedule Reconditioning of Pump				
Schedule reconditioning of Pump Bearings. Check Pump bearings fit for shaft wear or Pump housing wear. Rectify those first prior bearing replacement. Realign shaft/coupling using precision laser alignment tool upon installation of pump onsite.				
IP2.jpg				



**corrosion
220896.jpg**



**1x Harmonics caused by Rotating Looseness
c08ca.jpg**



Analysis Report

Filter: Equipment name (+) \ Tree order (+) Alarm type: Danger \ Alarm \ Pre-Alarm \ Error \ Ok \ Undefined \ Inhibited

SOUTHVALE PUMP\

BOOSTER PUMP UNIT 1

	<i>Selected Date</i>	15/02/2019 15:08:12	<i>Speed</i>	56.1 Hz / 3368 rpm
	<i>Author</i>	u1	<i>Connector</i>	
	<i>System - Serial No</i>	FALCON - 11407	<i>Sensor</i>	

Operating param.	1	H/S	Last Date	Value	Unit	T-1	Ref.	Avg									
Ovrl:Rotation speed	Rot Spd	Hard	15/02/2019 15:08:12	3368	rpm		3368										
1-MT-Ax	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:08:12	3.32	mm/s		3.32		DfCnd	High	0	0	0	2	3.5	6	0
Overall Acc	IND-0002	Hard	15/02/2019 15:08:12	0.504	g		0.504		DfCnd	None							
Defect factor	IND-0003	Hard	15/02/2019 15:08:12	2.54	DEF		2.54		DfCnd	High	0	0	0	4	6	9	0
1x	1x	Soft	15/02/2019 15:08:12	0.374	mm/s		0.374		DfCnd	High	0	0	0	0	3	6	0
2x	2x	Soft	15/02/2019 15:08:12	1.10	mm/s		1.10		DfCnd	High	0	0	0	0	1.5	3	0
3x	3x	Soft	15/02/2019 15:08:12	0.0239	mm/s		0.0239		DfCnd	High	0	0	0	0	1	2	0
En-LF	En-LF	Soft	15/02/2019 15:08:12	0.103	g		0.103		DfCnd	High	0	0	0	0	.15	.3	0
En-MF	En-MF	Soft	15/02/2019 15:08:12	0.471	g		0.471		DfCnd	High	0	0	0	0	.5	1	0
En-HF	En-HF	Soft	15/02/2019 15:08:12	0.164	g		0.164		DfCnd	High	0	0	0	0	2	4	0
1-MT-RH	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:08:12	4.00	mm/s		4.00		DfCnd	High	0	0	0	2	3.5	6	0
Overall Acc	IND-0002	Hard	15/02/2019 15:08:12	0.408	g		0.408		DfCnd	None							
Defect factor	IND-0003	Hard	15/02/2019 15:08:12	2.55	DEF		2.55		DfCnd	High	0	0	0	4	6	9	0
1x	1x	Soft	15/02/2019 15:08:12	1.84	mm/s		1.84		DfCnd	High	0	0	0	0	3	6	0
2x	2x	Soft	15/02/2019 15:08:12	0.916	mm/s		0.916		DfCnd	High	0	0	0	0	1.5	3	0
3x	3x	Soft	15/02/2019 15:08:12	0.0288	mm/s		0.0288		DfCnd	High	0	0	0	0	1	2	0
En-LF	En-LF	Soft	15/02/2019 15:08:12	0.117	g		0.117		DfCnd	High	0	0	0	0	.15	.3	0
En-MF	En-MF	Soft	15/02/2019 15:08:12	0.282	g		0.282		DfCnd	High	0	0	0	0	.5	1	0
En-HF	En-HF	Soft	15/02/2019 15:08:12	0.255	g		0.255		DfCnd	High	0	0	0	0	2	4	0
1-MT-RV	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:08:12	5.45	mm/s		5.45		DfCnd	High	0	0	0	2	3.5	6	0
Overall Acc	IND-0002	Hard	15/02/2019 15:08:12	0.454	g		0.454		DfCnd	None							
Defect factor	IND-0003	Hard	15/02/2019 15:08:12	2.55	DEF		2.55		DfCnd	High	0	0	0	4	6	9	0
1x	1x	Soft	15/02/2019 15:08:12	0.760	mm/s		0.760		DfCnd	High	0	0	0	0	3	6	0
2x	2x	Soft	15/02/2019 15:08:12	0.408	mm/s		0.408		DfCnd	High	0	0	0	0	1.5	3	0
3x	3x	Soft	15/02/2019 15:08:12	0.0284	mm/s		0.0284		DfCnd	High	0	0	0	0	1	2	0
En-LF	En-LF	Soft	15/02/2019 15:08:12	0.0867	g		0.0867		DfCnd	High	0	0	0	0	.15	.3	0

SOUTHVALE PUMP\															
BOOSTER PUMP UNIT 1															
			Selected Date	15/02/2019 15:08:12				Speed			56.1 Hz / 3368 rpm				
			Author	u1				Connector							
			System - Serial No	FALCON - 11407				Sensor							
En-MF	En-MF	Soft	15/02/2019 15:08:12	0.417	g		0.417		DfCnd	High	0	0	0	0	.5 1 0
En-HF	En-HF	Soft	15/02/2019 15:08:12	0.158	g		0.158		DfCnd	High	0	0	0	0	2 4 0
2-MT-Ax	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+ DG+ Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:08:12	2.82	mm/s		2.82		DfCnd	High	0	0	0	2	3.5 6 0
Overall Acc	IND-0002	Hard	15/02/2019 15:08:12	0.229	g		0.229		DfCnd	None					
Defect factor	IND-0003	Hard	15/02/2019 15:08:12	2.47	DEF		2.47		DfCnd	High	0	0	0	4	6 9 0
1x	1x	Soft	15/02/2019 15:08:12	0.538	mm/s		0.538		DfCnd	High	0	0	0	0	3 6 0
2x	2x	Soft	15/02/2019 15:08:12	1.17	mm/s		1.17		DfCnd	High	0	0	0	0	1.5 3 0
3x	3x	Soft	15/02/2019 15:08:12	0.0655	mm/s		0.0655		DfCnd	High	0	0	0	0	1 2 0
En-LF	En-LF	Soft	15/02/2019 15:08:12	0.153	g		0.153		DfCnd	High	0	0	0	0	.15 .3 0
En-MF	En-MF	Soft	15/02/2019 15:08:12	0.156	g		0.156		DfCnd	High	0	0	0	0	.5 1 0
En-HF	En-HF	Soft	15/02/2019 15:08:12	0.0627	g		0.0627		DfCnd	High	0	0	0	0	2 4 0
2-MT-RH	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+ DG+ Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:08:12	1.69	mm/s		1.69		DfCnd	High	0	0	0	2	3.5 6 0
Overall Acc	IND-0002	Hard	15/02/2019 15:08:12	0.324	g		0.324		DfCnd	None					
Defect factor	IND-0003	Hard	15/02/2019 15:08:12	2.52	DEF		2.52		DfCnd	High	0	0	0	4	6 9 0
1x	1x	Soft	15/02/2019 15:08:12	0.988	mm/s		0.988		DfCnd	High	0	0	0	0	3 6 0
2x	2x	Soft	15/02/2019 15:08:12	0.448	mm/s		0.448		DfCnd	High	0	0	0	0	1.5 3 0
3x	3x	Soft	15/02/2019 15:08:12	0.0303	mm/s		0.0303		DfCnd	High	0	0	0	0	1 2 0
En-LF	En-LF	Soft	15/02/2019 15:08:12	0.0640	g		0.0640		DfCnd	High	0	0	0	0	.15 .3 0
En-MF	En-MF	Soft	15/02/2019 15:08:12	0.310	g		0.310		DfCnd	High	0	0	0	0	.5 1 0
En-HF	En-HF	Soft	15/02/2019 15:08:12	0.0604	g		0.0604		DfCnd	High	0	0	0	0	2 4 0
2-MT-RV	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+ DG+ Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:08:12	2.14	mm/s		2.14		DfCnd	High	0	0	0	2	3.5 6 0
Overall Acc	IND-0002	Hard	15/02/2019 15:08:12	0.210	g		0.210		DfCnd	None					
Defect factor	IND-0003	Hard	15/02/2019 15:08:12	2.38	DEF		2.38		DfCnd	High	0	0	0	4	6 9 0
1x	1x	Soft	15/02/2019 15:08:12	0.975	mm/s		0.975		DfCnd	High	0	0	0	0	3 6 0
2x	2x	Soft	15/02/2019 15:08:12	0.391	mm/s		0.391		DfCnd	High	0	0	0	0	1.5 3 0
3x	3x	Soft	15/02/2019 15:08:12	0.0391	mm/s		0.0391		DfCnd	High	0	0	0	0	1 2 0
En-LF	En-LF	Soft	15/02/2019 15:08:12	0.0584	g		0.0584		DfCnd	High	0	0	0	0	.15 .3 0
En-MF	En-MF	Soft	15/02/2019 15:08:12	0.195	g		0.195		DfCnd	High	0	0	0	0	.5 1 0
En-HF	En-HF	Soft	15/02/2019 15:08:12	0.0479	g		0.0479		DfCnd	High	0	0	0	0	2 4 0

SOUTHVALE PUMP\																	
BOOSTER PUMP UNIT 1			Selected Date		15/02/2019 15:08:12				Speed		56.1 Hz / 3368 rpm						
			Author		u1				Connector								
			System - Serial No		FALCON - 11407				Sensor								
3-PP-Ax	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:08:12						DfCnd	High	0	0	0	2	3.5	6	0
Overall Acc	IND-0002	Hard	15/02/2019 15:08:12						DfCnd	None							
Defect factor	IND-0003	Hard	15/02/2019 15:08:12						DfCnd	High	0	0	0	4	6	9	0
1x	1x	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	3	6	0
2x	2x	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	1.5	3	0
3x	3x	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	1	2	0
En-LF	En-LF	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	.15	.3	0
En-MF	En-MF	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	.5	1	0
En-HF	En-HF	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	2	4	0
3-PP-RH	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:08:12						DfCnd	High	0	0	0	2	3.5	6	0
Overall Acc	IND-0002	Hard	15/02/2019 15:08:12						DfCnd	None							
Defect factor	IND-0003	Hard	15/02/2019 15:08:12						DfCnd	High	0	0	0	4	6	9	0
1x	1x	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	3	6	0
2x	2x	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	1.5	3	0
3x	3x	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	1	2	0
En-LF	En-LF	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	.15	.3	0
En-MF	En-MF	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	.5	1	0
En-HF	En-HF	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	2	4	0
3-PP-RV	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:08:12						DfCnd	High	0	0	0	2	3.5	6	0
Overall Acc	IND-0002	Hard	15/02/2019 15:08:12						DfCnd	None							
Defect factor	IND-0003	Hard	15/02/2019 15:08:12						DfCnd	High	0	0	0	4	6	9	0
1x	1x	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	3	6	0
2x	2x	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	1.5	3	0
3x	3x	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	1	2	0
En-LF	En-LF	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	.15	.3	0
En-MF	En-MF	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	.5	1	0
En-HF	En-HF	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	2	4	0
4-PP-Ax	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:08:12						DfCnd	High	0	0	0	2	3.5	6	0
Overall Acc	IND-0002	Hard	15/02/2019 15:08:12						DfCnd	None							

SOUTHVALE PUMP

BOOSTER PUMP UNIT 1			Selected Date	15/02/2019 15:08:12					Speed		56.1 Hz / 3368 rpm							
			Author	u1					Connector									
			System - Serial No	FALCON - 11407					Sensor									
Defect factor	IND-0003	Hard	15/02/2019 15:08:12						DfCnd	High	0	0	0	4	6	9	0	
1x	1x	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	3	6	0	
2x	2x	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	1.5	3	0	
3x	3x	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	1	2	0	
En-LF	En-LF	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	.15	.3	0	
En-MF	En-MF	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	.5	1	0	
En-HF	En-HF	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	2	4	0	
4-PP-RH	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err	
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:08:12						DfCnd	High	0	0	0	2	3.5	6	0	
Overall Acc	IND-0002	Hard	15/02/2019 15:08:12						DfCnd	None								
Defect factor	IND-0003	Hard	15/02/2019 15:08:12						DfCnd	High	0	0	0	4	6	9	0	
1x	1x	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	3	6	0	
2x	2x	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	1.5	3	0	
3x	3x	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	1	2	0	
En-LF	En-LF	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	.15	.3	0	
En-MF	En-MF	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	.5	1	0	
En-HF	En-HF	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	2	4	0	
4-PP-RV	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err	
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:08:12						DfCnd	High	0	0	0	2	3.5	6	0	
Overall Acc	IND-0002	Hard	15/02/2019 15:08:12						DfCnd	None								
Defect factor	IND-0003	Hard	15/02/2019 15:08:12						DfCnd	High	0	0	0	4	6	9	0	
1x	1x	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	3	6	0	
2x	2x	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	1.5	3	0	
3x	3x	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	1	2	0	
En-LF	En-LF	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	.15	.3	0	
En-MF	En-MF	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	.5	1	0	
En-HF	En-HF	Soft	15/02/2019 15:08:12						DfCnd	High	0	0	0	0	2	4	0	

SOUTHVALE PUMP

BOOSTER PUMP UNIT 2	Selected Date	15/02/2019 14:59:51	Speed	29.2 Hz / 1750 rpm
	Author	u1	Connector	
	System - Serial No	FALCON - 11407	Sensor	

SOUTHVALE PUMP\																	
BOOSTER PUMP UNIT 2			Selected Date		15/02/2019 14:59:51			Speed		29.2 Hz / 1750 rpm							
			Author		u1			Connector									
			System - Serial No		FALCON - 11407			Sensor									
Operating param.	1	H/S	Last Date	Value	Unit	T-1	Ref.	Avg									
Ovrl:Rotation speed	Rot Spd	Hard	15/02/2019 14:59:51	1750	rpm		1750										
1-MT-Ax	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 14:59:51	3.33	mm/s		3.33		DfCnd	High	0	0	0	2	3.5	6	0
Overall Acc	IND-0002	Hard	15/02/2019 14:59:51	0.680	g		0.680		DfCnd	None							
Defect factor	IND-0003	Hard	15/02/2019 14:59:51	2.76	DEF		2.76		DfCnd	High	0	0	0	4	6	9	0
1x	1x	Soft	15/02/2019 14:59:51	0.0220	mm/s		0.0220		DfCnd	High	0	0	0	0	3	6	0
2x	2x	Soft	15/02/2019 14:59:51	0.265	mm/s		0.265		DfCnd	High	0	0	0	0	1.5	3	0
3x	3x	Soft	15/02/2019 14:59:51	0.0046	mm/s		0.0046		DfCnd	High	0	0	0	0	1	2	0
En-LF	En-LF	Soft	15/02/2019 14:59:51	0.0496	g		0.0496		DfCnd	High	0	0	0	0	.15	.3	0
En-MF	En-MF	Soft	15/02/2019 14:59:51	0.575	g		0.575		DfCnd	High	0	0	0	0	.5	1	0
En-HF	En-HF	Soft	15/02/2019 14:59:51	0.353	g		0.353		DfCnd	High	0	0	0	0	2	4	0
1-MT-RH	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 14:59:51	1.42	mm/s		1.42		DfCnd	High	0	0	0	2	3.5	6	0
Overall Acc	IND-0002	Hard	15/02/2019 14:59:51	1.10	g		1.10		DfCnd	None							
Defect factor	IND-0003	Hard	15/02/2019 14:59:51	3.03	DEF		3.03		DfCnd	High	0	0	0	4	6	9	0
1x	1x	Soft	15/02/2019 14:59:51	0.0244	mm/s		0.0244		DfCnd	High	0	0	0	0	3	6	0
2x	2x	Soft	15/02/2019 14:59:51	0.242	mm/s		0.242		DfCnd	High	0	0	0	0	1.5	3	0
3x	3x	Soft	15/02/2019 14:59:51	0.0037	mm/s		0.0037		DfCnd	High	0	0	0	0	1	2	0
En-LF	En-LF	Soft	15/02/2019 14:59:51	0.0534	g		0.0534		DfCnd	High	0	0	0	0	.15	.3	0
En-MF	En-MF	Soft	15/02/2019 14:59:51	1.06	g		1.06		DfCnd	High	0	0	0	0	.5	1	0
En-HF	En-HF	Soft	15/02/2019 14:59:51	0.230	g		0.230		DfCnd	High	0	0	0	0	2	4	0
1-MT-RV	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 14:59:51	2.00	mm/s		2.00		DfCnd	High	0	0	0	2	3.5	6	0
Overall Acc	IND-0002	Hard	15/02/2019 14:59:51	0.414	g		0.414		DfCnd	None							
Defect factor	IND-0003	Hard	15/02/2019 14:59:51	2.91	DEF		2.91		DfCnd	High	0	0	0	4	6	9	0
1x	1x	Soft	15/02/2019 14:59:51	0.0717	mm/s		0.0717		DfCnd	High	0	0	0	0	3	6	0
2x	2x	Soft	15/02/2019 14:59:51	0.0850	mm/s		0.0850		DfCnd	High	0	0	0	0	1.5	3	0
3x	3x	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	1	2	0
En-LF	En-LF	Soft	15/02/2019 14:59:51	0.0449	g		0.0449		DfCnd	High	0	0	0	0	.15	.3	0
En-MF	En-MF	Soft	15/02/2019 14:59:51	0.159	g		0.159		DfCnd	High	0	0	0	0	.5	1	0
En-HF	En-HF	Soft	15/02/2019 14:59:51	0.365	g		0.365		DfCnd	High	0	0	0	0	2	4	0
2-MT-Ax	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err

SOUTHVALE PUMP\																		
BOOSTER PUMP UNIT 2			Selected Date		15/02/2019 14:59:51				Speed		29.2 Hz / 1750 rpm							
			Author		u1				Connector									
			System - Serial No		FALCON - 11407				Sensor									
Overall Vib Vel	IND-0001	Hard	15/02/2019 14:59:51	2.05	mm/s		2.05		DfCnd	High	0	0	0	2	3.5	6	0	
Overall Acc	IND-0002	Hard	15/02/2019 14:59:51	0.773	g		0.773		DfCnd	None								
Defect factor	IND-0003	Hard	15/02/2019 14:59:51	3.05	DEF		3.05		DfCnd	High	0	0	0	4	6	9	0	
1x	1x	Soft	15/02/2019 14:59:51	0.0471	mm/s		0.0471		DfCnd	High	0	0	0	0	3	6	0	
2x	2x	Soft	15/02/2019 14:59:51	0.495	mm/s		0.495		DfCnd	High	0	0	0	0	1.5	3	0	
3x	3x	Soft	15/02/2019 14:59:51	0.0489	mm/s		0.0489		DfCnd	High	0	0	0	0	1	2	0	
En-LF	En-LF	Soft	15/02/2019 14:59:51	0.105	g		0.105		DfCnd	High	0	0	0	0	.15	.3	0	
En-MF	En-MF	Soft	15/02/2019 14:59:51	0.296	g		0.296		DfCnd	High	0	0	0	0	.5	1	0	
En-HF	En-HF	Soft	15/02/2019 14:59:51	0.691	g		0.691		DfCnd	High	0	0	0	0	2	4	0	
2-MT-RH	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err	
Overall Vib Vel	IND-0001	Hard	15/02/2019 14:59:51	1.18	mm/s		1.18		DfCnd	High	0	0	0	2	3.5	6	0	
Overall Acc	IND-0002	Hard	15/02/2019 14:59:51	0.918	g		0.918		DfCnd	None								
Defect factor	IND-0003	Hard	15/02/2019 14:59:51	3.32	DEF		3.32		DfCnd	High	0	0	0	4	6	9	0	
1x	1x	Soft	15/02/2019 14:59:51	0.0218	mm/s		0.0218		DfCnd	High	0	0	0	0	3	6	0	
2x	2x	Soft	15/02/2019 14:59:51	0.243	mm/s		0.243		DfCnd	High	0	0	0	0	1.5	3	0	
3x	3x	Soft	15/02/2019 14:59:51	0.0260	mm/s		0.0260		DfCnd	High	0	0	0	0	1	2	0	
En-LF	En-LF	Soft	15/02/2019 14:59:51	0.0589	g		0.0589		DfCnd	High	0	0	0	0	.15	.3	0	
En-MF	En-MF	Soft	15/02/2019 14:59:51	0.401	g		0.401		DfCnd	High	0	0	0	0	.5	1	0	
En-HF	En-HF	Soft	15/02/2019 14:59:51	0.806	g		0.806		DfCnd	High	0	0	0	0	2	4	0	
2-MT-RV	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err	
Overall Vib Vel	IND-0001	Hard	15/02/2019 14:59:51	1.40	mm/s		1.40		DfCnd	High	0	0	0	2	3.5	6	0	
Overall Acc	IND-0002	Hard	15/02/2019 14:59:51	0.848	g		0.848		DfCnd	None								
Defect factor	IND-0003	Hard	15/02/2019 14:59:51	3.21	DEF		3.21		DfCnd	High	0	0	0	4	6	9	0	
1x	1x	Soft	15/02/2019 14:59:51	0.0699	mm/s		0.0699		DfCnd	High	0	0	0	0	3	6	0	
2x	2x	Soft	15/02/2019 14:59:51	0.466	mm/s		0.466		DfCnd	High	0	0	0	0	1.5	3	0	
3x	3x	Soft	15/02/2019 14:59:51	0.0100	mm/s		0.0100		DfCnd	High	0	0	0	0	1	2	0	
En-LF	En-LF	Soft	15/02/2019 14:59:51	0.0334	g		0.0334		DfCnd	High	0	0	0	0	.15	.3	0	
En-MF	En-MF	Soft	15/02/2019 14:59:51	0.346	g		0.346		DfCnd	High	0	0	0	0	.5	1	0	
En-HF	En-HF	Soft	15/02/2019 14:59:51	0.770	g		0.770		DfCnd	High	0	0	0	0	2	4	0	
3-PP-Ax	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err	
Overall Vib Vel	IND-0001	Hard	15/02/2019 14:59:51						DfCnd	High	0	0	0	2	3.5	6	0	
Overall Acc	IND-0002	Hard	15/02/2019 14:59:51						DfCnd	None								

SOUTHVALE PUMP\																				
BOOSTER PUMP UNIT 2			Selected Date		15/02/2019 14:59:51				Speed		29.2 Hz / 1750 rpm									
			Author		u1				Connector											
			System - Serial No		FALCON - 11407				Sensor											
Defect factor	IND-0003	Hard	15/02/2019 14:59:51						DfCnd	High	0	0	0	4	6	9	0			
1x	1x	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	3	6	0			
2x	2x	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	1.5	3	0			
3x	3x	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	1	2	0			
En-LF	En-LF	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	.15	.3	0			
En-MF	En-MF	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	.5	1	0			
En-HF	En-HF	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	2	4	0			
3-PP-RH	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err			
Overall Vib Vel	IND-0001	Hard	15/02/2019 14:59:51						DfCnd	High	0	0	0	2	3.5	6	0			
Overall Acc	IND-0002	Hard	15/02/2019 14:59:51						DfCnd	None										
Defect factor	IND-0003	Hard	15/02/2019 14:59:51						DfCnd	High	0	0	0	4	6	9	0			
1x	1x	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	3	6	0			
2x	2x	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	1.5	3	0			
3x	3x	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	1	2	0			
En-LF	En-LF	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	.15	.3	0			
En-MF	En-MF	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	.5	1	0			
En-HF	En-HF	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	2	4	0			
3-PP-RV	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err			
Overall Vib Vel	IND-0001	Hard	15/02/2019 14:59:51						DfCnd	High	0	0	0	2	3.5	6	0			
Overall Acc	IND-0002	Hard	15/02/2019 14:59:51						DfCnd	None										
Defect factor	IND-0003	Hard	15/02/2019 14:59:51						DfCnd	High	0	0	0	4	6	9	0			
1x	1x	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	3	6	0			
2x	2x	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	1.5	3	0			
3x	3x	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	1	2	0			
En-LF	En-LF	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	.15	.3	0			
En-MF	En-MF	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	.5	1	0			
En-HF	En-HF	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	2	4	0			
4-PP-Ax	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err			
Overall Vib Vel	IND-0001	Hard	15/02/2019 14:59:51						DfCnd	High	0	0	0	2	3.5	6	0			
Overall Acc	IND-0002	Hard	15/02/2019 14:59:51						DfCnd	None										
Defect factor	IND-0003	Hard	15/02/2019 14:59:51						DfCnd	High	0	0	0	4	6	9	0			
1x	1x	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	3	6	0			

SOUTHVALE PUMP\																	
BOOSTER PUMP UNIT 2			Selected Date		15/02/2019 14:59:51				Speed		29.2 Hz / 1750 rpm						
			Author		u1				Connector								
			System - Serial No		FALCON - 11407				Sensor								
2x	2x	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	1.5	3	0
3x	3x	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	1	2	0
En-LF	En-LF	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	.15	.3	0
En-MF	En-MF	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	.5	1	0
En-HF	En-HF	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	2	4	0
4-PP-RH	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 14:59:51						DfCnd	High	0	0	0	2	3.5	6	0
Overall Acc	IND-0002	Hard	15/02/2019 14:59:51						DfCnd	None							
Defect factor	IND-0003	Hard	15/02/2019 14:59:51						DfCnd	High	0	0	0	4	6	9	0
1x	1x	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	3	6	0
2x	2x	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	1.5	3	0
3x	3x	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	1	2	0
En-LF	En-LF	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	.15	.3	0
En-MF	En-MF	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	.5	1	0
En-HF	En-HF	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	2	4	0
4-PP-RV	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 14:59:51						DfCnd	High	0	0	0	2	3.5	6	0
Overall Acc	IND-0002	Hard	15/02/2019 14:59:51						DfCnd	None							
Defect factor	IND-0003	Hard	15/02/2019 14:59:51						DfCnd	High	0	0	0	4	6	9	0
1x	1x	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	3	6	0
2x	2x	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	1.5	3	0
3x	3x	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	1	2	0
En-LF	En-LF	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	.15	.3	0
En-MF	En-MF	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	.5	1	0
En-HF	En-HF	Soft	15/02/2019 14:59:51						DfCnd	High	0	0	0	0	2	4	0

SOUTHVALE PUMP\																		
BOOSTER PUMP UNIT 3		Selected Date		15/02/2019 15:05:27				Speed		58.7 Hz / 3520 rpm								
		Author		u1				Connector										
		System - Serial No		FALCON - 11407				Sensor										
Operating param.		1	H/S	Last Date	Value	Unit	T-1	Ref.	Avg									
Ovrl:Rotation speed		Rot Spd	Hard	15/02/2019 15:05:27	3520rpm			3520										
1-MT-Ax		9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err
Overall Vib Vel		IND-0001	Hard	15/02/2019 15:05:27	14.4	mm/s		14.4		DfCnd	High	0	0	0	2	3.5	6	0

SOUTHVALE PUMP\																	
BOOSTER PUMP UNIT 3			Selected Date		15/02/2019 15:05:27				Speed		58.7 Hz / 3520 rpm						
			Author		u1				Connector								
			System - Serial No		FALCON - 11407				Sensor								
Overall Acc	IND-0002	Hard	15/02/2019 15:05:27	0.739g		0.739			DfCnd	None							
Defect factor	IND-0003	Hard	15/02/2019 15:05:27	2.47DEF		2.47			DfCnd	High	0	0	0	4	6	9	0
1x	1x	Soft	15/02/2019 15:05:27	12.2mm/s		12.2			DfCnd	High	0	0	0	0	3	6	0
2x	2x	Soft	15/02/2019 15:05:27	4.93mm/s		4.93			DfCnd	High	0	0	0	0	1.5	3	0
3x	3x	Soft	15/02/2019 15:05:27	2.62mm/s		2.62			DfCnd	High	0	0	0	0	1	2	0
En-LF	En-LF	Soft	15/02/2019 15:05:27	0.718g		0.718			DfCnd	High	0	0	0	0	.15	.3	0
En-MF	En-MF	Soft	15/02/2019 15:05:27	0.194g		0.194			DfCnd	High	0	0	0	0	.5	1	0
En-HF	En-HF	Soft	15/02/2019 15:05:27	0.0344g		0.0344			DfCnd	High	0	0	0	0	2	4	0
1-MT-RH	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:05:27	10.8mm/s		10.8			DfCnd	High	0	0	0	2	3.5	6	0
Overall Acc	IND-0002	Hard	15/02/2019 15:05:27	0.535g		0.535			DfCnd	None							
Defect factor	IND-0003	Hard	15/02/2019 15:05:27	2.40DEF		2.40			DfCnd	High	0	0	0	4	6	9	0
1x	1x	Soft	15/02/2019 15:05:27	10.2mm/s		10.2			DfCnd	High	0	0	0	0	3	6	0
2x	2x	Soft	15/02/2019 15:05:27	0.747mm/s		0.747			DfCnd	High	0	0	0	0	1.5	3	0
3x	3x	Soft	15/02/2019 15:05:27	0.305mm/s		0.305			DfCnd	High	0	0	0	0	1	2	0
En-LF	En-LF	Soft	15/02/2019 15:05:27	0.412g		0.412			DfCnd	High	0	0	0	0	.15	.3	0
En-MF	En-MF	Soft	15/02/2019 15:05:27	0.338g		0.338			DfCnd	High	0	0	0	0	.5	1	0
En-HF	En-HF	Soft	15/02/2019 15:05:27	0.0361g		0.0361			DfCnd	High	0	0	0	0	2	4	0
1-MT-RV	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:05:27	11.5mm/s		11.5			DfCnd	High	0	0	0	2	3.5	6	0
Overall Acc	IND-0002	Hard	15/02/2019 15:05:27	0.474g		0.474			DfCnd	None							
Defect factor	IND-0003	Hard	15/02/2019 15:05:27	2.39DEF		2.39			DfCnd	High	0	0	0	4	6	9	0
1x	1x	Soft	15/02/2019 15:05:27	10.8mm/s		10.8			DfCnd	High	0	0	0	0	3	6	0
2x	2x	Soft	15/02/2019 15:05:27	0.0774mm/s		0.0774			DfCnd	High	0	0	0	0	1.5	3	0
3x	3x	Soft	15/02/2019 15:05:27	0.557mm/s		0.557			DfCnd	High	0	0	0	0	1	2	0
En-LF	En-LF	Soft	15/02/2019 15:05:27	0.433g		0.433			DfCnd	High	0	0	0	0	.15	.3	0
En-MF	En-MF	Soft	15/02/2019 15:05:27	0.191g		0.191			DfCnd	High	0	0	0	0	.5	1	0
En-HF	En-HF	Soft	15/02/2019 15:05:27	0.0470g		0.0470			DfCnd	High	0	0	0	0	2	4	0
2-MT-Ax	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:05:27	9.16mm/s		9.16			DfCnd	High	0	0	0	2	3.5	6	0
Overall Acc	IND-0002	Hard	15/02/2019 15:05:27	0.791g		0.791			DfCnd	None							
Defect factor	IND-0003	Hard	15/02/2019 15:05:27	2.53DEF		2.53			DfCnd	High	0	0	0	4	6	9	0

SOUTHVALE PUMP\																	
BOOSTER PUMP UNIT 3			Selected Date		15/02/2019 15:05:27				Speed		58.7 Hz / 3520 rpm						
			Author		u1				Connector								
			System - Serial No		FALCON - 11407				Sensor								
1x	1x	Soft	15/02/2019 15:05:27	5.92	mm/s		5.92		DfCnd	High	0	0	0	0	3	6	0
2x	2x	Soft	15/02/2019 15:05:27	4.36	mm/s		4.36		DfCnd	High	0	0	0	0	1.5	3	0
3x	3x	Soft	15/02/2019 15:05:27	1.41	mm/s		1.41		DfCnd	High	0	0	0	0	1	2	0
En-LF	En-LF	Soft	15/02/2019 15:05:27	0.474	g		0.474		DfCnd	High	0	0	0	0	.15	.3	0
En-MF	En-MF	Soft	15/02/2019 15:05:27	0.629	g		0.629		DfCnd	High	0	0	0	0	.5	1	0
En-HF	En-HF	Soft	15/02/2019 15:05:27	0.0878	g		0.0878		DfCnd	High	0	0	0	0	2	4	0
2-MT-RH	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:05:27	10.9	mm/s		10.9		DfCnd	High	0	0	0	2	3.5	6	0
Overall Acc	IND-0002	Hard	15/02/2019 15:05:27	0.605	g		0.605		DfCnd	None							
Defect factor	IND-0003	Hard	15/02/2019 15:05:27	2.61	DEF		2.61		DfCnd	High	0	0	0	4	6	9	0
1x	1x	Soft	15/02/2019 15:05:27	10.1	mm/s		10.1		DfCnd	High	0	0	0	0	3	6	0
2x	2x	Soft	15/02/2019 15:05:27	1.05	mm/s		1.05		DfCnd	High	0	0	0	0	1.5	3	0
3x	3x	Soft	15/02/2019 15:05:27	0.0924	mm/s		0.0924		DfCnd	High	0	0	0	0	1	2	0
En-LF	En-LF	Soft	15/02/2019 15:05:27	0.412	g		0.412		DfCnd	High	0	0	0	0	.15	.3	0
En-MF	En-MF	Soft	15/02/2019 15:05:27	0.431	g		0.431		DfCnd	High	0	0	0	0	.5	1	0
En-HF	En-HF	Soft	15/02/2019 15:05:27	0.102	g		0.102		DfCnd	High	0	0	0	0	2	4	0
2-MT-RV	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:05:27	9.17	mm/s		9.17		DfCnd	High	0	0	0	2	3.5	6	0
Overall Acc	IND-0002	Hard	15/02/2019 15:05:27	0.631	g		0.631		DfCnd	None							
Defect factor	IND-0003	Hard	15/02/2019 15:05:27	2.56	DEF		2.56		DfCnd	High	0	0	0	4	6	9	0
1x	1x	Soft	15/02/2019 15:05:27	6.22	mm/s		6.22		DfCnd	High	0	0	0	0	3	6	0
2x	2x	Soft	15/02/2019 15:05:27	4.98	mm/s		4.98		DfCnd	High	0	0	0	0	1.5	3	0
3x	3x	Soft	15/02/2019 15:05:27	0.903	mm/s		0.903		DfCnd	High	0	0	0	0	1	2	0
En-LF	En-LF	Soft	15/02/2019 15:05:27	0.506	g		0.506		DfCnd	High	0	0	0	0	.15	.3	0
En-MF	En-MF	Soft	15/02/2019 15:05:27	0.363	g		0.363		DfCnd	High	0	0	0	0	.5	1	0
En-HF	En-HF	Soft	15/02/2019 15:05:27	0.103	g		0.103		DfCnd	High	0	0	0	0	2	4	0
3-PP-Ax	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:05:27	6.68	mm/s		6.68		DfCnd	High	0	0	0	2	3.5	6	0
Overall Acc	IND-0002	Hard	15/02/2019 15:05:27	0.965	g		0.965		DfCnd	None							
Defect factor	IND-0003	Hard	15/02/2019 15:05:27	2.67	DEF		2.67		DfCnd	High	0	0	0	4	6	9	0
1x	1x	Soft	15/02/2019 15:05:27	2.51	mm/s		2.51		DfCnd	High	0	0	0	0	3	6	0
2x	2x	Soft	15/02/2019 15:05:27	1.73	mm/s		1.73		DfCnd	High	0	0	0	0	1.5	3	0

SOUTHVALE PUMP
BOOSTER PUMP UNIT 3

BOOSTER PUMP UNIT 3			Selected Date		15/02/2019 15:05:27				Speed		58.7 Hz / 3520 rpm							
			Author		u1				Connector									
			System - Serial No		FALCON - 11407				Sensor									
3x	3x	Soft	15/02/2019 15:05:27	1.97	mm/s		1.97		DfCnd	High	0	0	0	0	1	2	0	
En-LF	En-LF	Soft	15/02/2019 15:05:27	0.292	g		0.292		DfCnd	High	0	0	0	0	.15	.3	0	
En-MF	En-MF	Soft	15/02/2019 15:05:27	0.899	g		0.899		DfCnd	High	0	0	0	0	.5	1	0	
En-HF	En-HF	Soft	15/02/2019 15:05:27	0.191	g		0.191		DfCnd	High	0	0	0	0	2	4	0	
3-PP-RH	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err	
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:05:27	7.29	mm/s		7.29		DfCnd	High	0	0	0	2	3.5	6	0	
Overall Acc	IND-0002	Hard	15/02/2019 15:05:27	1.09	g		1.09		DfCnd	None								
Defect factor	IND-0003	Hard	15/02/2019 15:05:27	2.81	DEF		2.81		DfCnd	High	0	0	0	4	6	9	0	
1x	1x	Soft	15/02/2019 15:05:27	4.99	mm/s		4.99		DfCnd	High	0	0	0	0	3	6	0	
2x	2x	Soft	15/02/2019 15:05:27	1.90	mm/s		1.90		DfCnd	High	0	0	0	0	1.5	3	0	
3x	3x	Soft	15/02/2019 15:05:27	0.802	mm/s		0.802		DfCnd	High	0	0	0	0	1	2	0	
En-LF	En-LF	Soft	15/02/2019 15:05:27	0.275	g		0.275		DfCnd	High	0	0	0	0	.15	.3	0	
En-MF	En-MF	Soft	15/02/2019 15:05:27	1.02	g		1.02		DfCnd	High	0	0	0	0	.5	1	0	
En-HF	En-HF	Soft	15/02/2019 15:05:27	0.243	g		0.243		DfCnd	High	0	0	0	0	2	4	0	
3-PP-RV	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err	
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:05:27	12.1	mm/s		12.1		DfCnd	High	0	0	0	2	3.5	6	0	
Overall Acc	IND-0002	Hard	15/02/2019 15:05:27	0.952	g		0.952		DfCnd	None								
Defect factor	IND-0003	Hard	15/02/2019 15:05:27	2.64	DEF		2.64		DfCnd	High	0	0	0	4	6	9	0	
1x	1x	Soft	15/02/2019 15:05:27	9.41	mm/s		9.41		DfCnd	High	0	0	0	0	3	6	0	
2x	2x	Soft	15/02/2019 15:05:27	4.64	mm/s		4.64		DfCnd	High	0	0	0	0	1.5	3	0	
3x	3x	Soft	15/02/2019 15:05:27	0.826	mm/s		0.826		DfCnd	High	0	0	0	0	1	2	0	
En-LF	En-LF	Soft	15/02/2019 15:05:27	0.544	g		0.544		DfCnd	High	0	0	0	0	.15	.3	0	
En-MF	En-MF	Soft	15/02/2019 15:05:27	0.757	g		0.757		DfCnd	High	0	0	0	0	.5	1	0	
En-HF	En-HF	Soft	15/02/2019 15:05:27	0.175	g		0.175		DfCnd	High	0	0	0	0	2	4	0	
4-PP-Ax	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err	
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:05:27	2.85	mm/s		2.85		DfCnd	High	0	0	0	2	3.5	6	0	
Overall Acc	IND-0002	Hard	15/02/2019 15:05:27	0.575	g		0.575		DfCnd	None								
Defect factor	IND-0003	Hard	15/02/2019 15:05:27	2.58	DEF		2.58		DfCnd	High	0	0	0	4	6	9	0	
1x	1x	Soft	15/02/2019 15:05:27	0.965	mm/s		0.965		DfCnd	High	0	0	0	0	3	6	0	
2x	2x	Soft	15/02/2019 15:05:27	1.50	mm/s		1.50		DfCnd	High	0	0	0	0	1.5	3	0	
3x	3x	Soft	15/02/2019 15:05:27	0.993	mm/s		0.993		DfCnd	High	0	0	0	0	1	2	0	
En-LF	En-LF	Soft	15/02/2019 15:05:27	0.170	g		0.170		DfCnd	High	0	0	0	0	.15	.3	0	

SOUTHVALE PUMP
BOOSTER PUMP UNIT 3

BOOSTER PUMP UNIT 3			Selected Date		15/02/2019 15:05:27				Speed		58.7 Hz / 3520 rpm							
			Author		u1				Connector									
			System - Serial No		FALCON - 11407				Sensor									
En-MF	En-MF	Soft	15/02/2019 15:05:27	0.527	g		0.527		DfCnd	High	0	0	0	0	.5	1	0	
En-HF	En-HF	Soft	15/02/2019 15:05:27	0.142	g		0.142		DfCnd	High	0	0	0	0	2	4	0	
4-PP-RH	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err	
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:05:27	5.20	mm/s		5.20		DfCnd	High	0	0	0	2	3.5	6	0	
Overall Acc	IND-0002	Hard	15/02/2019 15:05:27	0.707	g		0.707		DfCnd	None								
Defect factor	IND-0003	Hard	15/02/2019 15:05:27	2.73	DEF		2.73		DfCnd	High	0	0	0	4	6	9	0	
1x	1x	Soft	15/02/2019 15:05:27	4.13	mm/s		4.13		DfCnd	High	0	0	0	0	3	6	0	
2x	2x	Soft	15/02/2019 15:05:27	0.481	mm/s		0.481		DfCnd	High	0	0	0	0	1.5	3	0	
3x	3x	Soft	15/02/2019 15:05:27	0.876	mm/s		0.876		DfCnd	High	0	0	0	0	1	2	0	
En-LF	En-LF	Soft	15/02/2019 15:05:27	0.206	g		0.206		DfCnd	High	0	0	0	0	.15	.3	0	
En-MF	En-MF	Soft	15/02/2019 15:05:27	0.642	g		0.642		DfCnd	High	0	0	0	0	.5	1	0	
En-HF	En-HF	Soft	15/02/2019 15:05:27	0.165	g		0.165		DfCnd	High	0	0	0	0	2	4	0	
4-PP-RV	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err	
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:05:27	12.3	mm/s		12.3		DfCnd	High	0	0	0	2	3.5	6	0	
Overall Acc	IND-0002	Hard	15/02/2019 15:05:27	1.36	g		1.36		DfCnd	None								
Defect factor	IND-0003	Hard	15/02/2019 15:05:27	2.69	DEF		2.69		DfCnd	High	0	0	0	4	6	9	0	
1x	1x	Soft	15/02/2019 15:05:27	4.76	mm/s		4.76		DfCnd	High	0	0	0	0	3	6	0	
2x	2x	Soft	15/02/2019 15:05:27	8.53	mm/s		8.53		DfCnd	High	0	0	0	0	1.5	3	0	
3x	3x	Soft	15/02/2019 15:05:27	1.30	mm/s		1.30		DfCnd	High	0	0	0	0	1	2	0	
En-LF	En-LF	Soft	15/02/2019 15:05:27	0.704	g		0.704		DfCnd	High	0	0	0	0	.15	.3	0	
En-MF	En-MF	Soft	15/02/2019 15:05:27	1.15	g		1.15		DfCnd	High	0	0	0	0	.5	1	0	
En-HF	En-HF	Soft	15/02/2019 15:05:27	0.147	g		0.147		DfCnd	High	0	0	0	0	2	4	0	

SOUTHVALE PUMP
BOOSTER PUMP UNIT 4

BOOSTER PUMP UNIT 4			Selected Date		15/02/2019 15:18:55			Speed		59.1 Hz / 3545 rpm								
			Author		u1			Connector										
			System - Serial No		FALCON - 11407			Sensor										
Operating param.	1	H/S	Last Date	Value	Unit	T-1	Ref.	Avg										
Ovrl:Rotation speed	Rot Spd	Hard	15/02/2019 15:18:55	3545	rpm		3545											
1-MT-Ax	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err	
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:18:55	4.43	mm/s		4.43		DfCnd	High	0	0	0	2	3.5	6	0	
Overall Acc	IND-0002	Hard	15/02/2019 15:18:55	0.414	g		0.414		DfCnd	None								
Defect factor	IND-0003	Hard	15/02/2019 15:18:55	2.71	DEF		2.71		DfCnd	High	0	0	0	4	6	9	0	

SOUTHVALE PUMP\														
BOOSTER PUMP UNIT 4														
				Selected Date	15/02/2019 15:18:55					Speed	59.1 Hz / 3545 rpm			
				Author	u1					Connector				
				System - Serial No	FALCON - 11407					Sensor				
1x	1x	Soft	15/02/2019 15:18:55	3.75 mm/s	3.75					DfCnd	High	0	0	0
2x	2x	Soft	15/02/2019 15:18:55	1.09 mm/s	1.09					DfCnd	High	0	0	0
3x	3x	Soft	15/02/2019 15:18:55	0.748 mm/s	0.748					DfCnd	High	0	0	0
En-LF	En-LF	Soft	15/02/2019 15:18:55	0.196 g	0.196					DfCnd	High	0	0	0
En-MF	En-MF	Soft	15/02/2019 15:18:55	0.355 g	0.355					DfCnd	High	0	0	0
En-HF	En-HF	Soft	15/02/2019 15:18:55	0.0867 g	0.0867					DfCnd	High	0	0	0
1-MT-RH	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:18:55	3.88 mm/s			3.88		DfCnd	High	0	0	0	2
Overall Acc	IND-0002	Hard	15/02/2019 15:18:55	0.520 g			0.520		DfCnd	None				
Defect factor	IND-0003	Hard	15/02/2019 15:18:55	2.35 DEF			2.35		DfCnd	High	0	0	0	4
1x	1x	Soft	15/02/2019 15:18:55	3.55 mm/s			3.55		DfCnd	High	0	0	0	3
2x	2x	Soft	15/02/2019 15:18:55	0.520 mm/s			0.520		DfCnd	High	0	0	0	1.5
3x	3x	Soft	15/02/2019 15:18:55	0.442 mm/s			0.442		DfCnd	High	0	0	0	1
En-LF	En-LF	Soft	15/02/2019 15:18:55	0.152 g			0.152		DfCnd	High	0	0	0	.15
En-MF	En-MF	Soft	15/02/2019 15:18:55	0.495 g			0.495		DfCnd	High	0	0	0	.5
En-HF	En-HF	Soft	15/02/2019 15:18:55	0.0632 g			0.0632		DfCnd	High	0	0	0	2
1-MT-RV	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:18:55	9.90 mm/s			9.90		DfCnd	High	0	0	0	2
Overall Acc	IND-0002	Hard	15/02/2019 15:18:55	0.522 g			0.522		DfCnd	None				
Defect factor	IND-0003	Hard	15/02/2019 15:18:55	2.49 DEF			2.49		DfCnd	High	0	0	0	4
1x	1x	Soft	15/02/2019 15:18:55	9.42 mm/s			9.42		DfCnd	High	0	0	0	3
2x	2x	Soft	15/02/2019 15:18:55	1.95 mm/s			1.95		DfCnd	High	0	0	0	1.5
3x	3x	Soft	15/02/2019 15:18:55	0.724 mm/s			0.724		DfCnd	High	0	0	0	1
En-LF	En-LF	Soft	15/02/2019 15:18:55	0.400 g			0.400		DfCnd	High	0	0	0	.15
En-MF	En-MF	Soft	15/02/2019 15:18:55	0.328 g			0.328		DfCnd	High	0	0	0	.5
En-HF	En-HF	Soft	15/02/2019 15:18:55	0.0813 g			0.0813		DfCnd	High	0	0	0	2
2-MT-Ax	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:18:55	5.27 mm/s			5.27		DfCnd	High	0	0	0	2
Overall Acc	IND-0002	Hard	15/02/2019 15:18:55	0.454 g			0.454		DfCnd	None				
Defect factor	IND-0003	Hard	15/02/2019 15:18:55	3.02 DEF			3.02		DfCnd	High	0	0	0	4
1x	1x	Soft	15/02/2019 15:18:55	4.07 mm/s			4.07		DfCnd	High	0	0	0	3
2x	2x	Soft	15/02/2019 15:18:55	1.93 mm/s			1.93		DfCnd	High	0	0	0	1.5

SOUTHVALE PUMP\																			
BOOSTER PUMP UNIT 4			Selected Date		15/02/2019 15:18:55				Speed		59.1 Hz / 3545 rpm								
			Author		u1				Connector										
			System - Serial No		FALCON - 11407				Sensor										
3x	3x	Soft	15/02/2019 15:18:55	0.308	mm/s		0.308		DfCnd	High	0	0	0	0	1	2	0		
En-LF	En-LF	Soft	15/02/2019 15:18:55	0.251	g		0.251		DfCnd	High	0	0	0	0	.15	.3	0		
En-MF	En-MF	Soft	15/02/2019 15:18:55	0.349	g		0.349		DfCnd	High	0	0	0	0	.5	1	0		
En-HF	En-HF	Soft	15/02/2019 15:18:55	0.176	g		0.176		DfCnd	High	0	0	0	0	2	4	0		
2-MT-RH	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err		
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:18:55	4.42	mm/s		4.42		DfCnd	High	0	0	0	2	3.5	6	0		
Overall Acc	IND-0002	Hard	15/02/2019 15:18:55	0.540	g		0.540		DfCnd	None									
Defect factor	IND-0003	Hard	15/02/2019 15:18:55	3.46	DEF		3.46		DfCnd	High	0	0	0	4	6	9	0		
1x	1x	Soft	15/02/2019 15:18:55	3.66	mm/s		3.66		DfCnd	High	0	0	0	0	3	6	0		
2x	2x	Soft	15/02/2019 15:18:55	1.15	mm/s		1.15		DfCnd	High	0	0	0	0	1.5	3	0		
3x	3x	Soft	15/02/2019 15:18:55	0.346	mm/s		0.346		DfCnd	High	0	0	0	0	1	2	0		
En-LF	En-LF	Soft	15/02/2019 15:18:55	0.183	g		0.183		DfCnd	High	0	0	0	0	.15	.3	0		
En-MF	En-MF	Soft	15/02/2019 15:18:55	0.484	g		0.484		DfCnd	High	0	0	0	0	.5	1	0		
En-HF	En-HF	Soft	15/02/2019 15:18:55	0.195	g		0.195		DfCnd	High	0	0	0	0	2	4	0		
2-MT-RV	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err		
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:18:55	5.21	mm/s		5.21		DfCnd	High	0	0	0	2	3.5	6	0		
Overall Acc	IND-0002	Hard	15/02/2019 15:18:55	0.382	g		0.382		DfCnd	None									
Defect factor	IND-0003	Hard	15/02/2019 15:18:55	3.15	DEF		3.15		DfCnd	High	0	0	0	4	6	9	0		
1x	1x	Soft	15/02/2019 15:18:55	3.66	mm/s		3.66		DfCnd	High	0	0	0	0	3	6	0		
2x	2x	Soft	15/02/2019 15:18:55	2.29	mm/s		2.29		DfCnd	High	0	0	0	0	1.5	3	0		
3x	3x	Soft	15/02/2019 15:18:55	0.391	mm/s		0.391		DfCnd	High	0	0	0	0	1	2	0		
En-LF	En-LF	Soft	15/02/2019 15:18:55	0.273	g		0.273		DfCnd	High	0	0	0	0	.15	.3	0		
En-MF	En-MF	Soft	15/02/2019 15:18:55	0.205	g		0.205		DfCnd	High	0	0	0	0	.5	1	0		
En-HF	En-HF	Soft	15/02/2019 15:18:55	0.210	g		0.210		DfCnd	High	0	0	0	0	2	4	0		
3-PP-Ax	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+	Err		
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:18:55	3.53	mm/s		3.53		DfCnd	High	0	0	0	2	3.5	6	0		
Overall Acc	IND-0002	Hard	15/02/2019 15:18:55	0.982	g		0.982		DfCnd	None									
Defect factor	IND-0003	Hard	15/02/2019 15:18:55	4.15	DEF		4.15		DfCnd	High	0	0	0	4	6	9	0		
1x	1x	Soft	15/02/2019 15:18:55	1.83	mm/s		1.83		DfCnd	High	0	0	0	0	3	6	0		
2x	2x	Soft	15/02/2019 15:18:55	0.840	mm/s		0.840		DfCnd	High	0	0	0	0	1.5	3	0		
3x	3x	Soft	15/02/2019 15:18:55	0.405	mm/s		0.405		DfCnd	High	0	0	0	0	1	2	0		
En-LF	En-LF	Soft	15/02/2019 15:18:55	0.174	g		0.174		DfCnd	High	0	0	0	0	.15	.3	0		

SOUTHVALE PUMP\															
BOOSTER PUMP UNIT 4															
				Selected Date	15/02/2019 15:18:55				Speed	59.1 Hz / 3545 rpm					
				Author	u1				Connector						
				System - Serial No	FALCON - 11407				Sensor						
En-MF	En-MF	Soft	15/02/2019 15:18:55	0.744 g		0.744			DfCnd	High	0	0	0	0	.5 1 0
En-HF	En-HF	Soft	15/02/2019 15:18:55	0.601 g		0.601			DfCnd	High	0	0	0	0	2 4 0
3-PP-RH	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+ DG+ Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:18:55	4.20	mm/s		4.20		DfCnd	High	0	0	0	2	3.5 6 0
Overall Acc	IND-0002	Hard	15/02/2019 15:18:55	1.47	g		1.47		DfCnd	None					
Defect factor	IND-0003	Hard	15/02/2019 15:18:55	5.18	DEF		5.18		DfCnd	High	0	0	0	4	6 9 0
1x	1x	Soft	15/02/2019 15:18:55	1.11	mm/s		1.11		DfCnd	High	0	0	0	0	3 6 0
2x	2x	Soft	15/02/2019 15:18:55	1.98	mm/s		1.98		DfCnd	High	0	0	0	0	1.5 3 0
3x	3x	Soft	15/02/2019 15:18:55	0.240	mm/s		0.240		DfCnd	High	0	0	0	0	1 2 0
En-LF	En-LF	Soft	15/02/2019 15:18:55	0.189	g		0.189		DfCnd	High	0	0	0	0	.15 .3 0
En-MF	En-MF	Soft	15/02/2019 15:18:55	1.29	g		1.29		DfCnd	High	0	0	0	0	.5 1 0
En-HF	En-HF	Soft	15/02/2019 15:18:55	0.683	g		0.683		DfCnd	High	0	0	0	0	2 4 0
3-PP-RV	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+ DG+ Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:18:55	6.07	mm/s		6.07		DfCnd	High	0	0	0	2	3.5 6 0
Overall Acc	IND-0002	Hard	15/02/2019 15:18:55	1.09	g		1.09		DfCnd	None					
Defect factor	IND-0003	Hard	15/02/2019 15:18:55	3.78	DEF		3.78		DfCnd	High	0	0	0	4	6 9 0
1x	1x	Soft	15/02/2019 15:18:55	2.74	mm/s		2.74		DfCnd	High	0	0	0	0	3 6 0
2x	2x	Soft	15/02/2019 15:18:55	3.91	mm/s		3.91		DfCnd	High	0	0	0	0	1.5 3 0
3x	3x	Soft	15/02/2019 15:18:55	0.464	mm/s		0.464		DfCnd	High	0	0	0	0	1 2 0
En-LF	En-LF	Soft	15/02/2019 15:18:55	0.389	g		0.389		DfCnd	High	0	0	0	0	.15 .3 0
En-MF	En-MF	Soft	15/02/2019 15:18:55	0.885	g		0.885		DfCnd	High	0	0	0	0	.5 1 0
En-HF	En-HF	Soft	15/02/2019 15:18:55	0.490	g		0.490		DfCnd	High	0	0	0	0	2 4 0
4-PP-Ax	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+ DG+ Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:18:55	4.58	mm/s		4.58		DfCnd	High	0	0	0	2	3.5 6 0
Overall Acc	IND-0002	Hard	15/02/2019 15:18:55	0.856	g		0.856		DfCnd	None					
Defect factor	IND-0003	Hard	15/02/2019 15:18:55	3.44	DEF		3.44		DfCnd	High	0	0	0	4	6 9 0
1x	1x	Soft	15/02/2019 15:18:55	2.09	mm/s		2.09		DfCnd	High	0	0	0	0	3 6 0
2x	2x	Soft	15/02/2019 15:18:55	1.52	mm/s		1.52		DfCnd	High	0	0	0	0	1.5 3 0
3x	3x	Soft	15/02/2019 15:18:55	0.594	mm/s		0.594		DfCnd	High	0	0	0	0	1 2 0
En-LF	En-LF	Soft	15/02/2019 15:18:55	0.214	g		0.214		DfCnd	High	0	0	0	0	.15 .3 0
En-MF	En-MF	Soft	15/02/2019 15:18:55	0.783	g		0.783		DfCnd	High	0	0	0	0	.5 1 0
En-HF	En-HF	Soft	15/02/2019 15:18:55	0.222	g		0.222		DfCnd	High	0	0	0	0	2 4 0

SOUTHVALE PUMP\																
BOOSTER PUMP UNIT 4																
			Selected Date	15/02/2019 15:18:55					Speed	59.1 Hz / 3545 rpm						
			Author	u1					Connector							
			System - Serial No	FALCON - 11407					Sensor							
4-PP-RH	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+ Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:18:55	3.77	mm/s		3.77		DfCnd	High	0	0	0	2	3.5	6 0
Overall Acc	IND-0002	Hard	15/02/2019 15:18:55	1.10	g		1.10		DfCnd	None						
Defect factor	IND-0003	Hard	15/02/2019 15:18:55	3.28	DEF		3.28		DfCnd	High	0	0	0	4	6	9 0
1x	1x	Soft	15/02/2019 15:18:55	1.03	mm/s		1.03		DfCnd	High	0	0	0	0	3	6 0
2x	2x	Soft	15/02/2019 15:18:55	2.11	mm/s		2.11		DfCnd	High	0	0	0	0	1.5	3 0
3x	3x	Soft	15/02/2019 15:18:55	0.183	mm/s		0.183		DfCnd	High	0	0	0	0	1	2 0
En-LF	En-LF	Soft	15/02/2019 15:18:55	0.200	g		0.200		DfCnd	High	0	0	0	0	.15	.3 0
En-MF	En-MF	Soft	15/02/2019 15:18:55	1.04	g		1.04		DfCnd	High	0	0	0	0	.5	1 0
En-HF	En-HF	Soft	15/02/2019 15:18:55	0.250	g		0.250		DfCnd	High	0	0	0	0	2	4 0
4-PP-RV	9	H/S	Last Date	Value	Unit	T-1	Ref.	Avg	Oper.	AlmTyp	DG-	AL-	pA-	pA+	AL+	DG+ Err
Overall Vib Vel	IND-0001	Hard	15/02/2019 15:18:55	4.81	mm/s		4.81		DfCnd	High	0	0	0	2	3.5	6 0
Overall Acc	IND-0002	Hard	15/02/2019 15:18:55	0.935	g		0.935		DfCnd	None						
Defect factor	IND-0003	Hard	15/02/2019 15:18:55	3.11	DEF		3.11		DfCnd	High	0	0	0	4	6	9 0
1x	1x	Soft	15/02/2019 15:18:55	1.72	mm/s		1.72		DfCnd	High	0	0	0	0	3	6 0
2x	2x	Soft	15/02/2019 15:18:55	2.61	mm/s		2.61		DfCnd	High	0	0	0	0	1.5	3 0
3x	3x	Soft	15/02/2019 15:18:55	0.411	mm/s		0.411		DfCnd	High	0	0	0	0	1	2 0
En-LF	En-LF	Soft	15/02/2019 15:18:55	0.265	g		0.265		DfCnd	High	0	0	0	0	.15	.3 0
En-MF	En-MF	Soft	15/02/2019 15:18:55	0.868	g		0.868		DfCnd	High	0	0	0	0	.5	1 0
En-HF	En-HF	Soft	15/02/2019 15:18:55	0.205	g		0.205		DfCnd	High	0	0	0	0	2	4 0