Hi-Speed Industrial Service
7030 Ryburn Dr
Millington, Tn 38053
901-873-5300

AC Recondition Repair Report

FolderID: 97537
FormID: 9280246

Process & Power
1625 East 145th Street
Little Rock, AR 72206

Priorities Found: **4 - High** **8 - Good**

General				
	1.	Job Number	**97537**	
	2.	Report Date		
	3.	Customer	**PROCESS AND POWER**	
Name Plate Information				
	4.	Manufacturer	**BALDOR**	P5
	5.	Model		
	6.	Serial Number		
	7.	Horsepower	**200**	
	8.	KW		
	9.	Volts	**460**	
	10.	Amps		
	11.	RPM		
	12.	Frame		
	13.	Enclosure		
	14.	Cycles		
	15.	Phase		
	16.	Service Factor		
	17.	Motor Mount Position		
Initial Inspection				
	18.	Number of Leads	**6**	P13
	19.	Lead Length	**90 Inches**	
	20.	Lead Size	**1**	
●	21.	Lead Condition	**(P) Pass**	
	22.	Lead Markings	**1-6**	
	23.	Lug Size, Condition, and Type		
●	24.	Winding RTD's	**(Y) Yes**	P73
		6 at 108.7 ohms		
●	25.	Winding Rtd's Condition	**(F) Fail**	
	26.	Shaft Run Out		
	27.	Does Shaft Turn Freely	**no**	
	28.	Does Shaft Have Visible Damage	**yes**	P94
	29.	Bearing Rtd's	**(NA) Not Applicable**	
	30.	Bearing Rtd's Condition	**(NA) Not Applicable**	
	31.	Contamination		
●	32.	Frame Condition	**(P) Pass**	
●	33.	Fan Condition	**(F) Fail**	P109
		Replace		

	34.	Broken or missing components		
		Fan		
Initial Electric Test				
	35.	Resistance to Ground	**0 Mohm**	P7
	36.	Winding Resistance 1-2		
	37.	Winding Resistance 2-3		
	38.	Winding Resistance 1-3		
	39.	Resistive Imbalance		
	40.	Hi-Pot	**Ua**	
🔴	41.	Surge Test	**(F) Fail**	
	42.	Stator Condition	**Rewind**	
	43.	Failure Location		P68
Initial Rotor Inspection				
	44.	Rotor Type		P4
	45.	Air Gap <10% Variation		
	46.	Number of Rotor Bars	**58**	
	47.	Number of Broken Rotor Bars	**0**	
🟢	48.	Growler Test	**(P) Pass**	
🟢	49.	Rotor Condition	**(P) Pass**	
Mechanical Inspection				
	50.	Bearing Manufacture	**SKF**	
	51.	Bearing DE Size	**NU222**	
	52.	Bearing DE Type	**Roller**	P23
	53.	DE Bearing Qty.	**1**	
	54.	Bearing ODE Size	**6318**	
	55.	Bearing ODE Type	**ball**	P53
	56.	ODE Bearing Qty.	**1**	P59
		Frosted		
	57.	Insulated Bearing	**no**	
	58.	Lubrication Type	**grease**	
	59.	Grease Condition	**(NA) Not Applicable**	P74
	60.	Bearing Retainers		
	61.	Shaft Grounding Device	**(NA) Not Applicable**	
	62.	DE Seal	**(NA) Not Applicable**	
	63.	DE Seal Type/Size		
	64.	ODE Seal		
	65.	ODE Seal Type/Size		
Root Cause of Failure				
	66.	Component Failure	**Turn to turn short**	
	67.	Cause of Failure		
	68.	Comments		
	69.	Service Technician		
Machine Fit Inspection Report				
	70.	Shaft Run Out		
	71.	Initial Shaft Run Out		
	72.	Final Shaft Run Out		
🔴	73.	DE Bearing Shaft Fit	**(F) Fail**	P39
	74.	DE Initial Shaft Bearing Fit Size 1	**4.3297 "**	

	75.	DE Initial Shaft Bearing Fit Size 2	**4.3253 "**	
	76.	DE Initial Shaft Bearing Fit Size 3	**4.3298 "**	
	77.	DE Finial Shaft Bearing Fit Size 1	**4.3317 "**	P71
		Belzona bearing fit		
	78.	DE Finial Shaft Bearing Fit Size 2	**4.3316 "**	
	79.	DE Finial Shaft Bearing Fit Size 3	**4.3317 "**	
●	80.	ODE Bearing Shaft Fit	**(P) Pass**	P93
	81.	ODE Initial Shaft Bearing Fit Size 1	**3.5436 "**	
	82.	ODE Initial Shaft Bearing Fit Size 2	**3.5436 "**	
	83.	ODE Initial Shaft Bearing Fit Size 3	**3.5436 "**	
	84.	ODE Finial Shaft Bearing Fit Size 1	**"**	
	85.	ODE Finial Shaft Bearing Fit Size 2		
	86.	ODE Finial Shaft Bearing Fit Size 3		
	87.	DE Air Seal Shaft Fit		
	88.	DE Initial Air Seal Shaft Size		
	89.	DE Final Air Seal Shaft Size		
	90.	ODE Air Seal Shaft Fit		
	91.	ODE Initial Air Seal Shaft Size		
	92.	ODE Final Air Seal Shaft Size		
●	93.	DE Endbell Fit	**(P) Pass**	
	94.	DE Initial Endbell Fit Size 1	**7.8741 "**	
	95.	DE Initial Endbell Fit Size 2	**7.8741 "**	
	96.	DE Initial Endbell Fit Size 3	**7.8741 "**	
	97.	DE Final Endbell Fit Size 1	**"**	
	98.	DE Finial Endbell Fit Size 2		
	99.	DE Final Endbell Fit Size 3		
	100.	DE Endbell Fit Insulated		
	101.	DE Endbell Air Seal Fit		
	102.	Initial Endbell Air Seal Fit Size		
	103.	Finial Endbell Air Seal Fit Size		
●	104.	ODE Endbell Fit	**(P) Pass**	P145
	105.	ODE Initial Endbell Fit Size 1	**7.4809 "**	
	106.	ODE Initial Endbell Fit Size 2	**7.4809 "**	
	107.	ODE Initial Endbell Fit Size 3	**7.4809 "**	
	108.	ODE Final Endbell Fit Size 1		
	109.	ODE Final Endbell Fit Size 2		
	110.	ODE Final Endbell Fit Size 3		
	111.	ODE Endbell Fit Insulated		
	112.	ODE Endbell Air Seal Fit		
	113.	ODE Initial Endbell Seal Fit Size		
	114.	ODE Finial Endbell Seal Fit Size		
	115.	Foot Flatness		
	116.	Foot Condition		
	117.	Flange Condition		
	118.	Service Technician	**RW**	
Balancing Report				
	119.	Balance Type		
	120.	Balance Operating Speed		

121.	Start Left End
122.	Start Right End
123.	Balancing Specification
124.	Finish Left End
125.	Finish Right End
126.	Service Technician

Assembly and Final Test

127.	Meggar Testing Reading
128.	Surge Test
129.	Hi-Pot
130.	Winding Resistance 1-2
131.	Winding Resistance 2-3
132.	Winding Resistance 1-3
133.	Test Run Voltage Phase A
134.	Test Run Amps A
135.	Test Run Voltage Phase B
136.	Test Run Amps B
137.	Test Run Voltage Phase C
138.	Test Run Amps C
139.	DE Horizontal Vibration Reading
140.	DE Vertical Vibration Reading
141.	DE Axial Vibration Reading
142.	ODE Horizontal Vibration Reading
143.	ODE Vertical Vibration Reading
144.	ODE Axial Vibration Reading
145.	Ambient Temp at start of Test Run
146.	Temp at 5 minutes
147.	Temp at 10 minutes
148.	Temp at 15 minutes
149.	Temp at 20 minutes
150.	Temp at 25 minutes
151.	Temp at 30 minutes
152.	Temp at 35 minutes
153.	Temp at 40 minutes
154.	Temp at 45 minutes
155.	Temp at 50 minutes
156.	Temp at 55 minutes
157.	Temp at 60 minutes
158.	Motor Paint
159.	Service Technician

P4.1

P5.2

P5.3

P5.4

P5.5

P5.6

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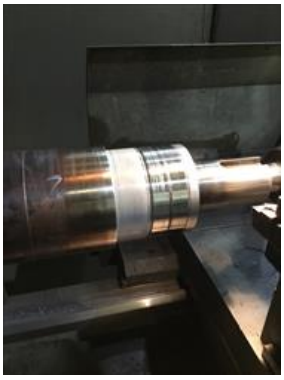

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