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

AC Recondition Repair Report

FolderID: 97331
FormID: 8909600

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

Performed By: Nicholle Hanna
Date Completed: 9/15/2020

Priorities Found: **3 - High** **13 - Good**

General				
	1.	Job Number	**97331**	
	2.	Report Date		
	3.	Customer		
Name Plate Information				
	4.	Manufacturer	**BALDOR**	
	5.	Model		
	6.	Serial Number	**B9066374-020**	
	7.	Horsepower	**300**	
	8.	KW		
	9.	Volts	**460**	
	10.	Amps	**350**	
	11.	RPM	**1725**	
	12.	Frame	**447TDZ**	
	13.	Enclosure	**ODP**	P74
	14.	Cycles	**60**	
	15.	Phase	**3**	
	16.	Service Factor	**1.15**	
	17.	Motor Mount Position	**Horizontal**	
Initial Inspection				
	18.	Number of Leads	**6**	
	19.	Lead Length	**104 Inches**	P20
	20.	Lead Size	**2**	P37
●	21.	Lead Condition	**(P) Pass**	
	22.	Lead Markings	**T1-T6**	P50
	23.	Lug Size, Condition, and Type ***N/A***		
	24.	Winding RTD's	**(NA) Not Applicable**	
	25.	Winding Rtd's Condition	**(NA) Not Applicable**	
	26.	Shaft Run Out	**0.001**	
	27.	Does Shaft Turn Freely	**Yes**	
	28.	Does Shaft Have Visible Damage	**no**	P93
	29.	Bearing Rtd's	**(NA) Not Applicable**	
	30.	Bearing Rtd's Condition	**(NA) Not Applicable**	
	31.	Contamination		P102
●	32.	Frame Condition	**(P) Pass**	P104
	33.	Fan Condition	**(NA) Not Applicable**	

	34.	Broken or missing components		
		None		
Initial Electric Test				
	35.	Resistance to Ground		
	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	**good**	
	43.	Failure Location	**Drive end bottom right, facing motor, coil head.**	P66
Initial Rotor Inspection				
	44.	Rotor Type	**Squirrel cage**	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	**NSK**	P1
	51.	Bearing DE Size	**nu 222E/c3**	P14
	52.	Bearing DE Type	**Roller**	
	53.	Bearing ODE Size	**6318**	P30
	54.	Bearing ODE Type	**regular ball bearing**	
	55.	Insulated Bearing	**no**	
	56.	Lubrication Type	**grease. unknown type**	P57
🔴	57.	Grease Condition	**(F) Fail**	P64
🟢	58.	Bearing Retainers	**(Y) Yes**	
		Pass		
	59.	Shaft Grounding Device	**(NA) Not Applicable**	
🟢	60.	DE Seal	**(Y) Yes**	P77
	61.	DE Seal Type/Size	**107 95*130*12**	P81
	62.	ODE Seal	**(NA) Not Applicable**	
	63.	ODE Seal Type/Size	**N/A**	
Root Cause of Failure				
	64.	Component Failure	**windings**	P2
	65.	Cause of Failure		
		Possible debris.		
	66.	Comments		
	67.	Service Technician	**Terrence Holland**	
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Machine Fit Inspection Report

●	68.	Shaft Run Out	**(P) Pass**	
	69.	Initial Shaft Run Out	**0.001 "**	
	70.	Final Shaft Run Out		
●	71.	DE Bearing Shaft Fit	**(P) Pass**	
	72.	DE Initial Shaft Bearing Fit Size 1	**4.3328 "**	
	73.	DE Initial Shaft Bearing Fit Size 2	**4.3325 "**	
	74.	DE Initial Shaft Bearing Fit Size 3	**4.3325 "**	
	75.	DE Finial Shaft Bearing Fit Size 1		
	76.	DE Finial Shaft Bearing Fit Size 2		
	77.	DE Finial Shaft Bearing Fit Size 3		
●	78.	ODE Bearing Shaft Fit	**(P) Pass**	
	79.	ODE Initial Shaft Bearing Fit Size 1	**3.5436 "**	
	80.	ODE Initial Shaft Bearing Fit Size 2	**3.5436 "**	
	81.	ODE Initial Shaft Bearing Fit Size 3	**3.5435 "**	P101
	82.	ODE Finial Shaft Bearing Fit Size 1		
	83.	ODE Finial Shaft Bearing Fit Size 2		
	84.	ODE Finial Shaft Bearing Fit Size 3		
	85.	DE Air Seal Shaft Fit		
	86.	DE Initial Air Seal Shaft Size		
	87.	DE Final Air Seal Shaft Size		
	88.	ODE Air Seal Shaft Fit		
	89.	ODE Initial Air Seal Shaft Size		
	90.	ODE Final Air Seal Shaft Size		
●	91.	DE Endbell Fit	**(F) Fail**	
	92.	DE Initial Endbell Fit Size 1	**7.88755 "**	
	93.	DE Initial Endbell Fit Size 2	**7.8754 "**	
	94.	DE Initial Endbell Fit Size 3		
	95.	DE Final Endbell Fit Size 1		
	96.	DE Finial Endbell Fit Size 2		
	97.	DE Final Endbell Fit Size 3		
	98.	DE Endbell Fit Insulated	**(NA) Not Applicable**	
	99.	DE Endbell Air Seal Fit		
	100.	Initial Endbell Air Seal Fit Size		
	101.	Finial Endbell Air Seal Fit Size		
●	102.	ODE Endbell Fit	**(P) Pass**	
	103.	ODE Endbell Fit Insulated	**(NA) Not Applicable**	
	104.	ODE Endbell Air Seal Fit		
	105.	ODE Initial Endbell Seal Fit Size		
	106.	ODE Finial Endbell Seal Fit Size		
●	107.	Foot Flatness	**(P) Pass**	
●	108.	Foot Condition	**(P) Pass**	
●	109.	Flange Condition	**(P) Pass**	
	110.	Service Technician	**Terrence Holland**	

Balancing Report

	111.	Balance Type		
	112.	Balance Operating Speed		
	113.	Start Left End		

114.	Start Right End
115.	Balancing Specification
116.	Finish Left End
117.	Finish Right End
118.	Service Technician

Assembly and Final Test

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

P1.1

P2.2

P2.3

P2.4

P4.5

P14.6

P14.7

P20.8

P30.9

P30.10

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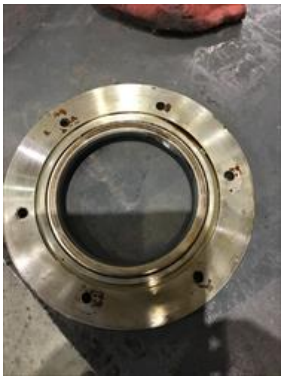

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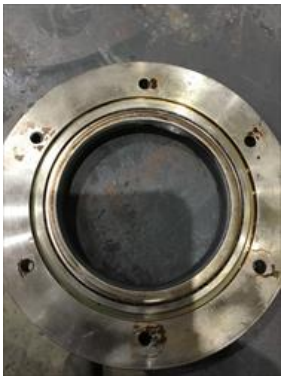

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