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

AC Recondition Repair Report

FolderID: 97980
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Arauco-Malvern MDF (10298)
1275 Willamette Rd
Malvern, AR 72104

Priorities Found: **4 - High** **12 - Good**

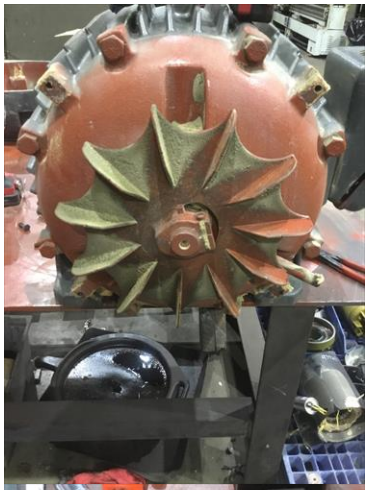
General

1.	Job Number	**97980**
2.	Report Date	**03/15/2021**
3.	Customer	**ARAUCO**

Name Plate Information

4.	Manufacturer	**SIEMENS**	P5



5.	Model	**TYPE: RGZSO**
6.	Serial Number	
7.	Horsepower	**60**
8.	KW	
9.	Volts	**460**
10.	Amps	**66.7**
11.	RPM	**1775**
12.	Frame	**364T**
13.	Enclosure	**TEFC**
14.	Cycles	**60**
15.	Phase	**3**
16.	Service Factor	**1.15**
17.	Motor Mount Position	
Initial Inspection		
18.	Number of Leads	**3**
19.	Lead Length	**12 Inches**
20.	Lead Size	**1**
21.	Lead Condition	**(P) Pass**
22.	Lead Markings	**none**
23.	Lug Size, Condition, and Type	
24.	Winding RTD's	**(NA) Not Applicable**
25.	Winding Rtd's Condition	
26.	Shaft Run Out	

	27.	Does Shaft Turn Freely		
	28.	Does Shaft Have Visible Damage		
	29.	Bearing Rtd's	**(NA) Not Applicable**	
	30.	Bearing Rtd's Condition		
	31.	Contamination		
●	32.	Frame Condition	**(P) Pass**	
●	33.	Fan Condition	**(F) Fail**	
	34.	Broken or missing components ***Fan***		

Initial Electric Test

	35.	Resistance to Ground	**0 Mohm**	
	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	**burned**	
	43.	Failure Location	**ODE bottom**	P68

Initial Rotor Inspection

	44.	Rotor Type		
	45.	Air Gap <10% Variation		
	46.	Number of Rotor Bars	**44**	
	47.	Number of Broken Rotor Bars	**0**	
●	48.	Growler Test	**(P) Pass**	
●	49.	Rotor Condition	**(P) Pass**	

Mechanical Inspection

	50.	Bearing Manufacture	**FAG**	
	51.	Bearing DE Size	**6313 2Z**	
	52.	Bearing DE Type		
	53.	DE Bearing Qty.	**1**	
	54.	Bearing ODE Size	**6313 2Z**	
	55.	Bearing ODE Type		
	56.	ODE Bearing Qty.		
	57.	Insulated Bearing		
	58.	Lubrication Type		

59.	Grease Condition	**(F) Fail**	
60.	Bearing Retainers		
61.	Shaft Grounding Device	**(Y) Yes**	
	ODE inner		
62.	DE Seal	**(NA) Not Applicable**	
63.	DE Seal Type/Size		
64.	ODE Seal	**(NA) Not Applicable**	
65.	ODE Seal Type/Size		

Root Cause of Failure

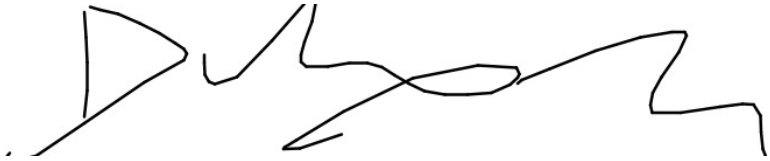
66.	Component Failure	**stator**
67.	Cause of Failure *Unknown*	
68.	Comments *Rewind. Replace Fan. Sleeve DE end bell*	
69.	Service Technician	**David Maclin**

Machine Fit Inspection Report

70.	Shaft Run Out	
71.	Initial Shaft Run Out	
72.	Final Shaft Run Out	
73.	DE Bearing Shaft Fit	**(P) Pass**
74.	DE Initial Shaft Bearing Fit Size 1	**2.5597 "**
75.	DE Initial Shaft Bearing Fit Size 2	**2.5595 "**
76.	DE Initial Shaft Bearing Fit Size 3	**2.5596 "**
77.	DE Finial Shaft Bearing Fit Size 1	
78.	DE Finial Shaft Bearing Fit Size 2	
79.	DE Finial Shaft Bearing Fit Size 3	
80.	ODE Bearing Shaft Fit	**(P) Pass**
81.	ODE Initial Shaft Bearing Fit Size 1	**2.5592 "**
82.	ODE Initial Shaft Bearing Fit Size 2	**2.5592 "**
83.	ODE Initial Shaft Bearing Fit Size 3	**2.5592 "**
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	**(F) Fail**
94.	DE Initial Endbell Fit Size 1	**5.5131 "**
95.	DE Initial Endbell Fit Size 2	**5.5132 "**
96.	DE Initial Endbell Fit Size 3	**5.5131 "**

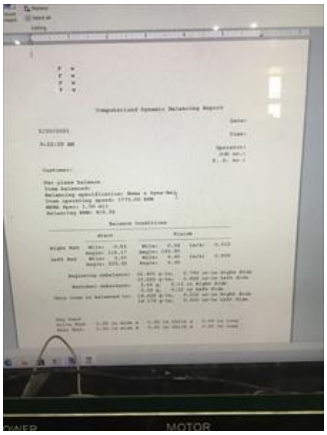
97.	DE Final Endbell Fit Size 1	**5.5119 "**	P138

98.	DE Finial Endbell Fit Size 2	**5.512 "**	
99.	DE Final Endbell Fit Size 3	**5.512 "**	
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**	
105.	ODE Initial Endbell Fit Size 1	**5.5125 "**	
106.	ODE Initial Endbell Fit Size 2	**5.5124 "**	
107.	ODE Initial Endbell Fit Size 3	**5.5125 "**	
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	**(P) Pass**	
116.	Foot Condition	**(P) Pass**	
117.	Flange Condition	**(NA) Not Applicable**	
118.	Service Technician	**David Maclin**	



Balancing Report

119.	Balance Type		P6



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	**Volts**	P56

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	**(P) Pass**	P136

159. Service Technician **Terrence. Holland**