



## AC Recondition Repair Report

FolderID: 98250  
FormID: 10700997

IBT  
5515 JEFFERSON PARKWAY  
PINE BLUFF, AR 71602

### General

1. Job Number	98250
2. Report Date	05/21/2021
3. Customer	IBT

### Name Plate Information



4. Manufacturer	SIEMENS	P5
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5. Model	1LE23212BB114AA3
6. Serial Number	Q2-B21T3017SE 50
7. Horsepower	15
8. KW	
9. Volts	460
10. Amps	19
11. RPM	1770
12. Frame	254T
13. Enclosure	TEFC
14. Cycles	60
15. Phase	3
16. Service Factor	1.15
17. Motor Mount Position	

### Initial Inspection

18. Number of Leads
19. Lead Length
20. Lead Size
21. Lead Condition
22. Lead Markings

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23.	Lug Size, Condition, and Type
24.	Winding RTD's
25.	Winding Rtd's Condition
26.	Shaft Run Out
27.	Does Shaft Turn Freely
28.	Does Shaft Have Visible Damage
29.	Bearing Rtd's
30.	Bearing Rtd's Condition
31.	Contamination
32.	Frame Condition
33.	Fan Condition
34.	Broken or missing components
<b>Initial Electric Test</b>	
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
41.	Surge Test
42.	Stator Condition
43.	Failure Location
<b>Initial Rotor Inspection</b>	
44.	Rotor Type
45.	Air Gap <10% Variation
46.	Number of Rotor Bars
47.	Number of Broken Rotor Bars
48.	Growler Test
49.	Rotor Condition
<b>Mechanical Inspection</b>	
50.	Bearing Manufacture
51.	Bearing DE Size
52.	Bearing DE Type
53.	DE Bearing Qty.
54.	Bearing ODE Size
55.	Bearing ODE Type
56.	ODE Bearing Qty.
57.	Insulated Bearing
58.	Lubrication Type
59.	Grease Condition
60.	Bearing Retainers
61.	Shaft Grounding Device
62.	DE Seal
63.	DE Seal Type/Size
64.	ODE Seal
65.	ODE Seal Type/Size
<b>Root Cause of Failure</b>	
66.	Component Failure

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67.	Cause of Failure
68.	Comments
69.	Service Technician
<b>Machine Fit Inspection Report</b>	
70.	Shaft Run Out
71.	Initial Shaft Run Out
72.	Final Shaft Run Out
73.	DE Bearing Shaft Fit
74.	DE Initial Shaft Bearing Fit Size 1
75.	DE Initial Shaft Bearing Fit Size 2
76.	DE Initial Shaft Bearing Fit Size 3
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
81.	ODE Initial Shaft Bearing Fit Size 1
82.	ODE Initial Shaft Bearing Fit Size 2
83.	ODE Initial Shaft Bearing Fit Size 3
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
94.	DE Initial Endbell Fit Size 1
95.	DE Initial Endbell Fit Size 2
96.	DE Initial Endbell Fit Size 3
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
105.	ODE Initial Endbell Fit Size 1
106.	ODE Initial Endbell Fit Size 2
107.	ODE Initial Endbell Fit Size 3
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

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114.	ODE Finial Endbell Seal Fit Size	
115.	Foot Flatness	
116.	Foot Condition	
117.	Flange Condition	
118.	Service Technician	
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.	Megger 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	

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159. Service Technician

**Terrence. Holland**

A handwritten signature in black ink, reading "Terrence Holland". The signature is written in a cursive, flowing style.