



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

## AC Recondition Repair Report

FolderID: 99187  
FormID: 12508519

ARKANSAS INDUSTRIAL  
MACHINERY  
3804 N. NONA ST  
NORTH LITTLE ROCK, AR 72118

Priorities Found: ● 1 - High ● 3 - Good

### General

1. Job Number	99187
2. Report Date	01/05/2022
3. Customer	Arkansas Industrial Machinery

### Name Plate Information

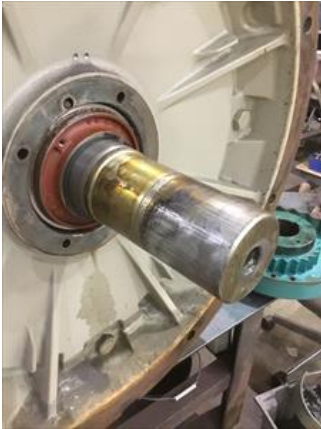


4. Manufacturer	Siemens	P5
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5. Model	1LA8 317-4AB91-7 315
6. Serial Number	1104771010001/2001IMB5
7. Horsepower	350
8. KW	
9. Volts	460
10. Amps	390
11. RPM	1789
12. Frame	
13. Enclosure	TEFC
14. Cycles	60
15. Phase	3
16. Service Factor	1.15
17. Motor Mount Position	
<b>Initial Inspection</b>	
18. Number of Leads	
19. Lead Length	
20. Lead Size	
21. Lead Condition	
22. Lead Markings	
23. Lug Size, Condition, and Type	
24. Winding RTD's	
25. Winding Rtd's Condition	
26. Shaft Run Out	

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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	nsk
51.	Bearing DE Size	nu218e and FAG 6218c3 18tb
<div>   </div>		
52.	Bearing DE Type	roller and ball
53.	DE Bearing Qty.	2



55. Bearing ODE Type

roller

56. ODE Bearing Qty.

1

57. Insulated Bearing

58. Lubrication Type

grease

☒ 59. Grease Condition

(F) Fail

☒ 60. Bearing Retainers

(Y) Yes

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61. Shaft Grounding Device

62. DE Seal

63. DE Seal Type/Size

64. ODE Seal

65. ODE Seal Type/Size

### Root Cause of Failure

66. Component Failure

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

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
114.	ODE Finial Endbell Seal Fit Size
115.	Foot Flatness
116.	Foot Condition
117.	Flange Condition
118.	Service Technician
<b>Balancing Report</b>	



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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 (P) Pass

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 0.05 In/Sec

140. DE Vertical Vibration Reading 0.04 In/Sec

141. DE Axial Vibration Reading 0.01 In/Sec

142. ODE Horizontal Vibration Reading 0.05 In/Sec

143. ODE Vertical Vibration Reading 0.06 In/Sec

144. ODE Axial Vibration Reading 0.05 In/Sec

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

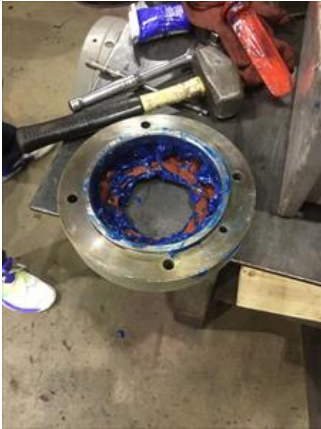
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- 154. Temp at 45 minutes
- 155. Temp at 50 minutes
- 156. Temp at 55 minutes
- 157. Temp at 60 minutes

● 158. Motor Paint

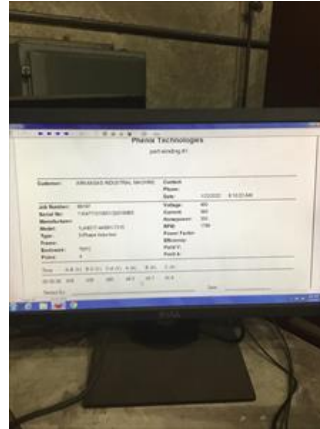
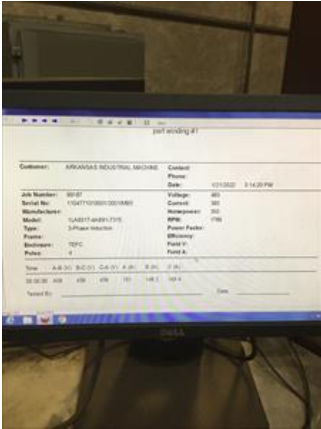
(P) Pass

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Delta

Y



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159. Service Technician

Terrence. Holland

A handwritten signature in black ink, appearing to read "Terrence Holland". The signature is stylized with a long horizontal line for the first name and a more complex, cursive-like structure for the last name.