



AC Recondition Repair Report

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Almatis Inc/RCP Bauxite (10014)
4701 Alcoa Road
Bauxite, AR 72011

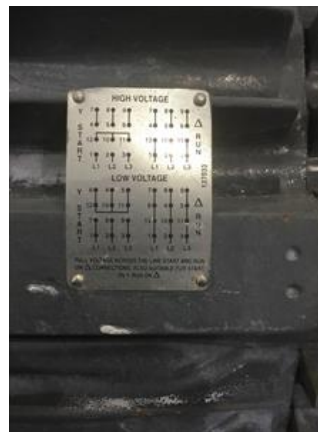
Priorities Found: ● 1 - High ● 13 - Good

General

1. Job Number	99578
2. Report Date	03/30/2022
3. Customer	Almatis

Name Plate Information

4. Manufacturer	US Motors	P5
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5. Model	H100P3EB-C
6. Serial Number	X06-708258-0001-GT-01
7. Horsepower	100
8. KW	
9. Volts	460
10. Amps	124
11. RPM	1185
12. Frame	444T
13. Enclosure	TEFC
14. Cycles	60
15. Phase	3
16. Service Factor	1.15
17. Motor Mount Position	

Initial Inspection





19. Lead Length **10.5 Inches**

20. Lead Size

● 21. Lead Condition **(P) Pass**

22. Lead Markings

23. Lug Size, Condition, and Type

24. Winding RTD's

25. Winding Rtd's Condition

26. Shaft Run Out

27. Does Shaft Turn Freely **no**

28. Does Shaft Have Visible Damage **no**

29. Bearing Rtd's

30. Bearing Rtd's Condition

31. Contamination

● 32. Frame Condition **(P) Pass**

● 33. Fan Condition **(P) Pass**

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34. Broken or missing components

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

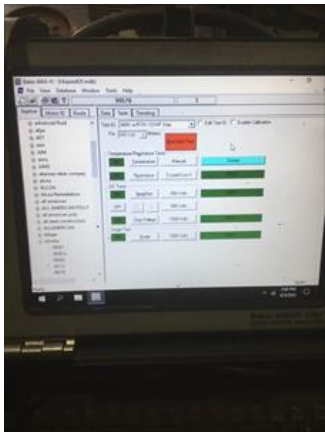
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40. Hi-Pot

41. Surge Test

(P) Pass

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42. Stator Condition

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43. Failure Location

bearings

Initial Rotor Inspection





45. Air Gap <10% Variation

46. Number of Rotor Bars

47. Number of Broken Rotor Bars

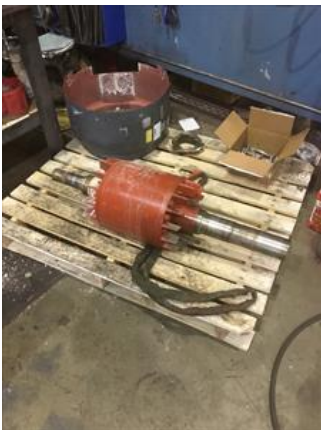
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48. Growler Test

● 49. Rotor Condition




(P) Pass

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Mechanical Inspection



50. Bearing Manufacture	FAG	P1
		
51. Bearing DE Size		P15
		
52. Bearing DE Type	NU	P23
		
53. DE Bearing Qty.	1	
54. Bearing ODE Size	6313	P43



55. Bearing ODE Type

P53



56. ODE Bearing Qty.

1

57. Insulated Bearing

no

58. Lubrication Type

grease

● 59. Grease Condition

(F) Fail

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61. Shaft Grounding Device

(NA) Not Applicable

62. DE Seal

63. DE Seal Type/Size

64. ODE Seal

65. ODE Seal Type/Size

Root Cause of Failure

66. Component Failure

bearings

67. Cause of Failure

Contaminated grease

68. Comments

69. Service Technician

Terrence. Holland

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

3.5445 "

75. DE Initial Shaft Bearing Fit Size 2

3.5446 "

76. DE Initial Shaft Bearing Fit Size 3

3.5445 "

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

2.5593 "

82. ODE Initial Shaft Bearing Fit Size 2

2.5594 "

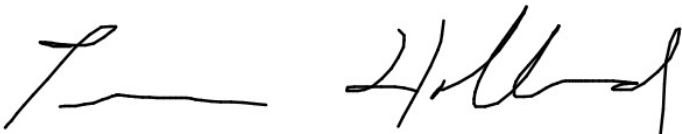
83. ODE Initial Shaft Bearing Fit Size 3

2.5993 "

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	7.4812 "
95.	DE Initial Endbell Fit Size 2	7.4811 "
96.	DE Initial Endbell Fit Size 3	7.4812 "
97.	DE Final Endbell Fit Size 1	"
98.	DE Final Endbell Fit Size 2	
99.	DE Final Endbell Fit Size 3	
100.	DE Endbell Fit Insulated	(NA) Not Applicable
101.	DE Endbell Air Seal Fit	
102.	Initial Endbell Air Seal Fit Size	
103.	Final Endbell Air Seal Fit Size	
104.	ODE Endbell Fit	(P) Pass
105.	ODE Initial Endbell Fit Size 1	5.5121 "
106.	ODE Initial Endbell Fit Size 2	5.512 "
107.	ODE Initial Endbell Fit Size 3	5.5121 "
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 Final Endbell Seal Fit Size	
115.	Foot Flatness	(P) Pass
116.	Foot Condition	(P) Pass
117.	Flange Condition	(NA) Not Applicable
118.	Service Technician	Terrence. Holland
		

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

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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