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— EVERY DAY SINCE 1946 —

Motor Shop Repairs

**Job Number 97986**

Prepared for UAMS (10286)

4301 West Markham St.  
Little Rock AR 72205

# Table of Contents

AC Recondition Repair Report

1.0

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*Table of Contents*



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

## AC Recondition Repair Report

FolderID: 97986  
FormID: 10243670

### UAMS (10286)

4301 West Markham St.  
Little Rock, AR 72205

Priorities Found: ● 9 - Good

#### General

1. Job Number	97986
2. Report Date	3/16/2021
3. Customer	UAMS

#### Name Plate Information

4. Manufacturer	FUJI
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5. Model	VFC804A-7WS
6. Serial Number	0703J072812
7. Horsepower	10
8. KW	
9. Volts	460
10. Amps	11.5
11. RPM	3600

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12. Frame



13. Enclosure	TEFC
14. Cycles	60
15. Phase	3
16. Service Factor	
17. Motor Mount Position	



Initial Inspection

18. Number of Leads	9
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19. Lead Length	9 Inches
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20. Lead Size	
● 21. Lead Condition	
22. Lead Markings	1-9
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	
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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

40. Hi-Pot

● 41. Surge Test

(P) Pass



#### 42. Stator Condition



#### 43. Failure Location



#### Initial Rotor Inspection

44. Rotor Type	squirrel
45. Air Gap <10% Variation	
46. Number of Rotor Bars	28
47. Number of Broken Rotor Bars	
48. Growler Test	
● 49. Rotor Condition	(P) Pass



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### Mechanical Inspection

50. Bearing Manufacture	
51. Bearing DE Size	6308z
52. Bearing DE Type	ball
53. DE Bearing Qty.	1
54. Bearing ODE Size	6207z
55. Bearing ODE Type	ball bearing
56. ODE Bearing Qty.	1



57. Insulated Bearing	no
58. Lubrication Type	grease
59. Grease Condition	(P) Pass
60. Bearing Retainers	(Y) Yes
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	
67. Cause of Failure	Debris in fan cage
68. Comments	
69. Service Technician	RHR

RHR 11 12/11/21

### 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

1.575 "



75. DE Initial Shaft Bearing Fit Size 2

1.575 "

76. DE Initial Shaft Bearing Fit Size 3

1.575 "

77. DE Finial Shaft Bearing Fit Size 1

78. DE Finial Shaft Bearing Fit Size 2

1.3781 "

79. DE Finial Shaft Bearing Fit Size 3

1.378 "

80. ODE Bearing Shaft Fit

81. ODE Initial Shaft Bearing Fit Size 1

1.378 "

82. ODE Initial Shaft Bearing Fit Size 2

1.3781 "

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

3.5437 "

95. DE Initial Endbell Fit Size 2

3.5436 "

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96. DE Initial Endbell Fit Size 3	3.5437 "
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	(P) Pass



105. ODE Initial Endbell Fit Size 1	2.8348 "
106. ODE Initial Endbell Fit Size 2	2.8347 "
107. ODE Initial Endbell Fit Size 3	2.8347 "
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	RHR

*[Handwritten signatures]*

### Balancing Report

119. Balance Type
120. Balance Operating Speed
121. Start Left End
122. Start Right End
123. Balancing Specification
124. Finish Left End

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125. Finish Right End
126. Service Technician
<b>Assembly and Final Test</b>
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

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