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

AC Recondition Repair Report

FolderID: 97986
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UAMS (10286)
4301 West Markham St.
Little Rock, AR 72205

Priorities Found: **9 - Good**

General			
	1.	Job Number	**97986**
	2.	Report Date	**03/16/2021**
	3.	Customer	**UAMS**
Name Plate Information			
	4.	Manufacturer	**FUJI**
	5.	Model	**VFC804A-7WS**
	6.	Serial Number	**0703J072812**
	7.	Horsepower	**10**
	8.	KW	
	9.	Volts	**460**
	10.	Amps	**11.5**
	11.	RPM	**3600**
	12.	Frame	P70
	13.	Enclosure	**TEFC**
	14.	Cycles	**60**
	15.	Phase	**3**
	16.	Service Factor	

17.	Motor Mount Position		P91

Initial Inspection

18.	Number of Leads	**9**	P13

19.	Lead Length	**9 Inches**	
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		P88

28.	Does Shaft Have Visible Damage		P94

29.	Bearing Rtd's		
30.	Bearing Rtd's Condition		
31.	Contamination		
32.	Frame Condition	**(P) Pass**	
33.	Fan Condition	**(P) Pass**	P109

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**	P58

42.	Stator Condition		P65

43.	Failure Location		P68

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**	P50

Mechanical Inspection

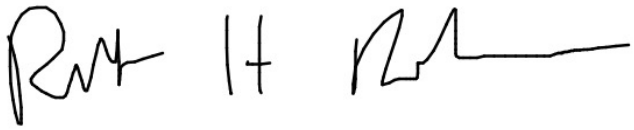
	50. Bearing Manufacture		
	51. Bearing DE Size	**6308z**	
	52. Bearing DE Type	**ball**	
	53. DE Bearing Qty.	**1**	
	54. Bearing ODE Size	**6207z**	
	55. Bearing ODE Type	**ball bearing**	
	56. ODE Bearing Qty.	**1**	P59

	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

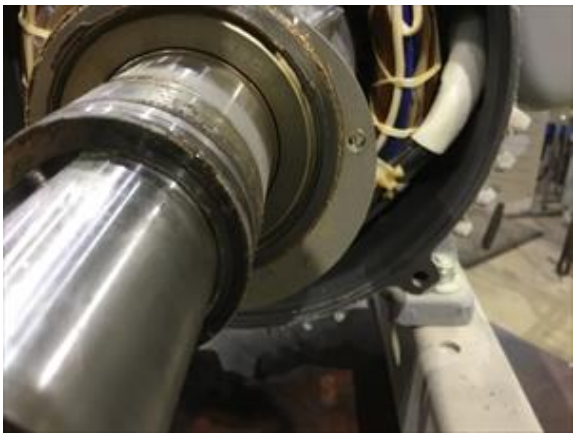
	66. Component Failure		

67.	Cause of Failure ***Debris in fan cage***		
68.	Comments		
69.	Service Technician	**RHR**	



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 "**	P48



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		P129

94.	DE Initial Endbell Fit Size 1	**3.5437 "**	
95.	DE Initial Endbell Fit Size 2	**3.5436 "**	
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**	P145

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**

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.	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