



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

AC Recondition Repair Report

FolderID: 97849
FormID: 9958150

UAMS (10286)

4301 West Markham St.
Little Rock, AR 72205

Priorities Found: ● 9 - Good

General

1. Job Number	97849
2. Report Date	
3. Customer	UAMS

Name Plate Information




4. Manufacturer	Leeson	P5
-----------------	--------	----



Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.



5. Model	c405T17FB4F
6. Serial Number	180032
7. Horsepower	100 HP
8. KW	
9. Volts	460 Volts
10. Amps	112.5 Amps
11. RPM	1785 RPM
12. Frame	405T
13. Enclosure	TEFC
14. Cycles	60 HZ
15. Phase	3 PH
16. Service Factor	1.15
17. Motor Mount Position	
Initial Inspection 	



19. Lead Length

12 Inches

20. Lead Size

● 21. Lead Condition

(P) Pass

P42



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

yes

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

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 cage
45.	Air Gap <10% Variation	
46.	Number of Rotor Bars	
47.	Number of Broken Rotor Bars	
48.	Growler Test	
49.	Rotor Condition	(P) Pass
Mechanical Inspection		
50.	Bearing Manufacture	fag
51.	Bearing DE Size	6316
52.	Bearing DE Type	sealed ball bearing
53.	DE Bearing Qty.	1
54.	Bearing ODE Size	6314
55.	Bearing ODE Type	sealed ball bearing
56.	ODE Bearing Qty.	1
57.	Insulated Bearing	no
58.	Lubrication Type	grease
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	
Root Cause of Failure		
66.	Component Failure	bearings
67.	Cause of Failure	<i>Bearings worn</i>
68.	Comments	<i>Customer request bearing change on motor.</i>
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	
74.	DE Initial Shaft Bearing Fit Size 1	
75.	DE Initial Shaft Bearing Fit Size 2	
76.	DE Initial Shaft Bearing Fit Size 3	

Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.

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	(P) Pass
	116. Foot Condition	(P) Pass
	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	

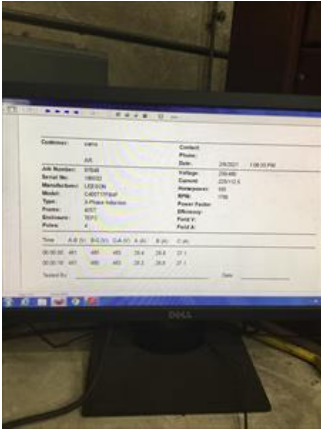
Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.

124.	Finish Left End	
125.	Finish Right End	
126.	Service Technician	
Assembly and Final Test		
127.	Meggar Testing Reading	Mohm
	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	
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	(P) Pass

P136



Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.



159. Service Technician

Terrence Holland