



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

AC Recondition Repair Report

FolderID: 98036
FormID: 10347916

APPLIED INDUSTRIAL
TECHNOLOGIES
1620 SIDNEY SRTEET
BATESVILLE, AR 72501

Priorities Found: ● 1 - High ● 15 - Good

General

- | | |
|----------------|------------|
| 1. Job Number | 98036 |
| 2. Report Date | 04/01/2021 |
| 3. Customer | |

Name Plate Information

- | | | |
|-----------------|-----|----|
| 4. Manufacturer | WEG | 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	04013EP3E324T
6. Serial Number	MO5H-8785EM
7. Horsepower	40 HP
8. KW	
9. Volts	460
10. Amps	47.6
11. RPM	1770
12. Frame	324T
13. Enclosure	TEFC
14. Cycles	60
15. Phase	3
16. Service Factor	1.15
17. Motor Mount Position	
Initial Inspection 	
18. Number of Leads	12
19. Lead Length	10 Inches
20. Lead Size	
21. Lead Condition	(P) Pass
22. Lead Markings	1-12
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

P104

Yes



32. Frame Condition

(P) Pass

P106



33. Fan Condition

(P) Pass

P109



34. Broken or missing components

Initial Electric Test





36. Winding Resistance 1-2

37. Winding Resistance 2-3

38. Winding Resistance 1-3

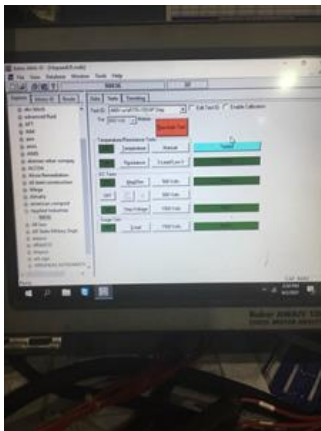
39. Resistive Imbalance

40. Hi-Pot

● 41. Surge Test

(P) Pass

P58



42. Stator Condition

good

P65





43. Failure Location

Initial Rotor Inspection



44. Rotor Type

squirrel cage

P4



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

Skf/NtN






51. Bearing DE Size

6312 C3

P15



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.

52.	Bearing DE Type	regular ball bearing		
53.	DE Bearing Qty.	1		
54.	Bearing ODE Size	6212 C3		P43
<div><div></div><div></div></div>				
55.	Bearing ODE Type	regular ball bearing		
56.	ODE Bearing Qty.	1		
57.	Insulated Bearing	no		
58.	Lubrication Type	grease		
<div></div> 59.	Grease Condition	(F) Fail		P74
<div><div></div><div></div></div>				
<div></div> 60.	Bearing Retainers	(Y) Yes		P80
<div><div></div></div>				
61.	Shaft Grounding Device	(NA) Not Applicable		
62.	DE Seal	(NA) Not Applicable		P86

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.



63. DE Seal Type/Size

64. ODE Seal

(Y) Yes

P95



65. ODE Seal Type/Size

dust shield

Root Cause of Failure

66. Component Failure

bearings

67. Cause of Failure

Bearings over greased/grease contaminated/dirty.

68. Comments

69. Service Technician

Terrence Holland

Machine Fit Inspection Report

70. Shaft Run Out

(P) Pass

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

2.3625 "

75. DE Initial Shaft Bearing Fit Size 2


2.3624 "

76. DE Initial Shaft Bearing Fit Size 3

2.3624 "

77. DE Final Shaft Bearing Fit Size 1

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.

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	2.3623 "
82.	ODE Initial Shaft Bearing Fit Size 2	2.3624 "
83.	ODE Initial Shaft Bearing Fit Size 3	2.3624 "
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	5.119 "
95.	DE Initial Endbell Fit Size 2	5.119 "
96.	DE Initial Endbell Fit Size 3	5.1191 "
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	4.3311 "
106.	ODE Initial Endbell Fit Size 2	4.3313 "
107.	ODE Initial Endbell Fit Size 3	4.3313 "
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	(NA) Not Applicable
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	(NA) Not Applicable
118.	Service Technician	Terrence Holland
		

☐ All machine fits check good. Windings check good.

Balancing Report

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.

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