



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

AC Recondition Repair Report

DELTA PLASTICS OF THE SOUTH
3104 SOUTH MAIN STREET
STUTT GART, AR 72160

FolderID: 97985
FormID: 10242375

Priorities Found: ● 4 - High ● 9 - Good

General

1. Job Number	97985
2. Report Date	03/16/2021
3. Customer	DELTA PLASTICS SOUTH

Name Plate Information



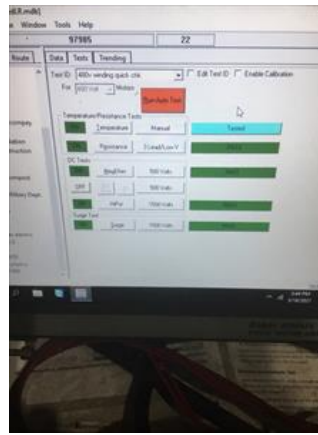
4. Manufacturer	WEG	P5
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5. Model	13218ET3Y315S/M-W22
6. Serial Number	04MA112 1015868298
7. Horsepower	175 HP
8. KW	
9. Volts	460
10. Amps	203
11. RPM	1790
12. Frame	315S/M
13. Enclosure	TEFC
14. Cycles	60 HZ
15. Phase	3
16. Service Factor	1.25
17. Motor Mount Position	
Initial Inspection	
18. Number of Leads	6
19. Lead Length	
20. Lead Size	
21. Lead Condition	
22. Lead Markings	T1-T6
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	



Has crack and needs to be Replaced. WEG fan# 11026502



Fan blade has crack.



Initial Electric Test

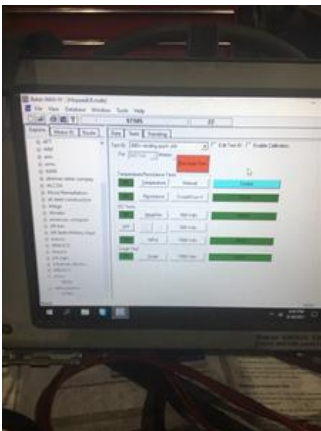


- 35. Resistance to Ground
- 36. Winding Resistance 1-2
- 37. Winding Resistance 2-3
- 38. Winding Resistance 1-3
- 39. Resistive Imbalance
- 40. Hi-Pot

- 41. Surge Test

(P) Pass

P58



- 42. Stator Condition

good

P65



- 43. Failure Location

Initial Rotor Inspection



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45. Air Gap <10% Variation

46. Number of Rotor Bars

47. Number of Broken Rotor Bars

48. Growler Test

● 49. Rotor Condition

(P) Pass

P50



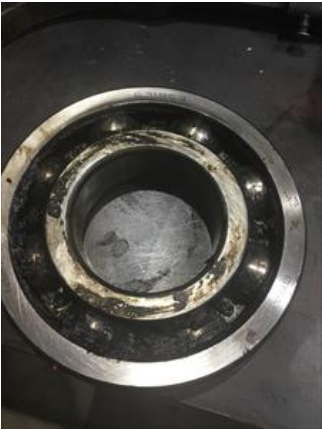




**Mechanical Inspection**

50. Bearing Manufacture

NSK

P1



51. Bearing DE Size	6319 C3	P15
		
52. Bearing DE Type	deep groove ball bearing	
53. DE Bearing Qty.	1	
54. Bearing ODE Size	6316 C3	P43
		
55. Bearing ODE Type	deep grove ball bearing	
56. ODE Bearing Qty.	1	
57. Insulated Bearing	no	
58. Lubrication Type	grease	
		
 59. Grease Condition	(F) Fail	P74
 60. Bearing Retainers	(Y) Yes	P80

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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 | <i>Bearing grease contaminated. Both housing fits require machine work.</i> |
| 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 | 3.7412 " |
| 75. DE Initial Shaft Bearing Fit Size 2 | 3.741 " |
| 76. DE Initial Shaft Bearing Fit Size 3 | 3.741 " |
| 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 | 3.15 " |
| 82. ODE Initial Shaft Bearing Fit Size 2 | 3.1501 " |
| 83. ODE Initial Shaft Bearing Fit Size 3 | 3.15 " |
| 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 | |

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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	(F) Fail	P129
  			
94.	DE Initial Endbell Fit Size 1	7.8746 "	
95.	DE Initial Endbell Fit Size 2	7.875 "	
96.	DE Initial Endbell Fit Size 3	7.8742 "	
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		
101.	DE Endbell Air Seal Fit		
102.	Initial Endbell Air Seal Fit Size		
103.	Final Endbell Air Seal Fit Size		
● 104.	ODE Endbell Fit	(F) Fail	P145

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105. ODE Initial Endbell Fit Size 1	5.5133 "
106. ODE Initial Endbell Fit Size 2	5.5131 "
107. ODE Initial Endbell Fit Size 3	5.5131 "
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 Final Endbell Seal Fit Size	
● 115. Foot Flatness	(P) Pass
● 116. Foot Condition	(P) Pass
117. Flange Condition	
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

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

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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