



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: 98487
FormID: 11182494

Priorities Found: ● 3 - High ● 14 - Good

General

1. Job Number	98487
2. Report Date	07/22/2021
3. Customer	DELTA PLASTICS SOUTH

Name Plate Information

4. Manufacturer	WEG	P5
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5. Model	MOD.TE1BF0X0N
6. Serial Number	17APR20201053634377
7. Horsepower	400
8. KW	
9. Volts	460
10. Amps	477
11. RPM	1190
12. Frame	L447/9T
13. Enclosure	TEFC
14. Cycles	60
15. Phase	3
16. Service Factor	1
17. Motor Mount Position	
Initial Inspection	
18. Number of Leads	12
19. Lead Length	
20. Lead Size	
21. Lead Condition	(P) Pass
22. Lead Markings	T1- T12
23. Lug Size, Condition, and Type	Good
24. Winding RTD's	
25. Winding Rtd's Condition	

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26.	Shaft Run Out	0.001
27.	Does Shaft Turn Freely	
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	pass
43.	Failure Location	
Initial Rotor Inspection		
44.	Rotor Type	squirrel cage laminate
45.	Air Gap <10% Variation	
46.	Number of Rotor Bars	58
47.	Number of Broken Rotor Bars	0
● 48.	Growler Test	(P) Pass
● 49.	Rotor Condition	(P) Pass
Mechanical Inspection		
50.	Bearing Manufacture	NSK
51.	Bearing DE Size	6322 C3
52.	Bearing DE Type	ball
53.	DE Bearing Qty.	1
54.	Bearing ODE Size	6319 C3
55.	Bearing ODE Type	regular ball bearing
56.	ODE Bearing Qty.	1
57.	Insulated Bearing	no
58.	Lubrication Type	grease
● 59.	Grease Condition	(F) Fail
● 60.	Bearing Retainers	(Y) Yes
61.	Shaft Grounding Device	(NA) Not Applicable
■	<i>Aegis ring measurement: 4.9234. D.E.</i>	
62.	DE Seal	(NA) Not Applicable
63.	DE Seal Type/Size	
64.	ODE Seal	(NA) Not Applicable
65.	ODE Seal Type/Size	
Root Cause of Failure		
66.	Component Failure	
67.	Cause of Failure	<i>Bearing grease contaminated/ hardened and both housing fits measure too large.</i>

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68. Comments
69. Service Technician

Terrence. Holland



Machine Fit Inspection Report



70.	Shaft Run Out	(P) Pass
71.	Initial Shaft Run Out	0.001 "
72.	Final Shaft Run Out	
73.	DE Bearing Shaft Fit	(P) Pass
74.	DE Initial Shaft Bearing Fit Size 1	4.3312 "
75.	DE Initial Shaft Bearing Fit Size 2	4.3312 "
76.	DE Initial Shaft Bearing Fit Size 3	4.3313 "
77.	DE Final Shaft Bearing Fit Size 1	
78.	DE Final Shaft Bearing Fit Size 2	
79.	DE Final Shaft Bearing Fit Size 3	
80.	ODE Bearing Shaft Fit	(P) Pass
81.	ODE Initial Shaft Bearing Fit Size 1	3.7405 "
82.	ODE Initial Shaft Bearing Fit Size 2	3.7405 "
83.	ODE Initial Shaft Bearing Fit Size 3	3.7404 "
84.	ODE Final Shaft Bearing Fit Size 1	
85.	ODE Final Shaft Bearing Fit Size 2	
86.	ODE Final 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	(F) Fail
94.	DE Initial Endbell Fit Size 1	9.450799999999999 "
95.	DE Initial Endbell Fit Size 2	9.4499 "
96.	DE Initial Endbell Fit Size 3	9.4503 "

97. DE Final Endbell Fit Size 1

9.449199999999999 " "

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98. DE Final Endbell Fit Size 2

9.449199999999999 " "

99. DE Final Endbell Fit Size 3

9.449199999999999 " "

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

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105. ODE Initial Endbell Fit Size 1

7.8758 "

106. ODE Initial Endbell Fit Size 2

7.8757 "

107. ODE Initial Endbell Fit Size 3

7.8753 "


108. ODE Final Endbell Fit Size 1

7.8745 "

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.195 spacer to lock bearing in place.

109. ODE Final Endbell Fit Size 2	7.8745 "
110. ODE Final Endbell Fit Size 3	7.8745 "
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	(P) Pass
118. Service Technician	Terrence. Holland
	

Balancing Report



119. Balance Type nema standard P6



- 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

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Assembly and Final Test



127. Meggar Testing Reading

Mohm

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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

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- 154. Temp at 45 minutes
- 155. Temp at 50 minutes
- 156. Temp at 55 minutes
- 157. Temp at 60 minutes
- 158. Motor Paint

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159. Service Technician

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