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Motor Shop Repairs

Job Number 97414

Prepared for Delta Plastics (11016)

8801 Frazier Pike
Little Rock AR 72206

Table of Contents

AC Recondition Repair Report

1.0

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Table of Contents



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AC Recondition Repair Report

FolderID: 97414
FormID: 9086774

Delta Plastics (11016)
8801 Frazier Pike
Little Rock, AR 72206

Priorities Found: ● 3 - High ● 4 - Good

General		
1. Job Number	97414	
2. Report Date		
3. Customer	DELTA PLASTICS LR	
Name Plate Information		
4. Manufacturer	BALDOR	
5. Model		
6. Serial Number	B9126122-020001 JQ	
7. Horsepower	150	
8. KW		
9. Volts	460	
10. Amps	180	
11. RPM	1750	
12. Frame		P12
13. Enclosure	DP	P13
14. Cycles	60	
15. Phase	3	
16. Service Factor	1.0	
17. Motor Mount Position		
Initial Inspection		
18. Number of Leads	6	P18
19. Lead Length	12 Inches	
20. Lead Size		
● 21. Lead Condition	(P) Pass	
22. Lead Markings	1,2,3	
23. Lug Size, Condition, and Type	N/a	
24. Winding RTD's		
25. Winding Rtd's Condition		
26. Shaft Run Out		
27. Does Shaft Turn Freely	no	P27
28. Does Shaft Have Visible Damage	yes	P28
29. Bearing Rtd's		
30. Bearing Rtd's Condition		

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31. Contamination Yes		P31
32. Frame Condition	(P) Pass	
33. Fan Condition	(NA) Not Applicable	
34. Broken or missing components None		
Initial Electric Test		
35. Resistance to Ground	Mohm	
36. Winding Resistance 1-2		
37. Winding Resistance 2-3		
38. Winding Resistance 1-3		
39. Resistive Imbalance		
40. Hi-Pot		
41. Surge Test	(F) Fail	P41
42. Stator Condition		
43. Failure Location		P43
Initial Rotor Inspection		
44. Rotor Type	squirrel cage	P44
45. Air Gap <10% Variation		
46. Number of Rotor Bars		
47. Number of Broken Rotor Bars		
48. Growler Test		
49. Rotor Condition	(P) Pass	P49
Mechanical Inspection		
50. Bearing Manufacture	nachi	
51. Bearing DE Size	nu215/C3	P51
52. Bearing DE Type		
53. DE Bearing Qty.		
54. Bearing ODE Size	6211/C3	P54
55. Bearing ODE Type	ball bearing	
56. ODE Bearing Qty.	1	
57. Insulated Bearing	no	
58. Lubrication Type	polyrex	
59. Grease Condition	(F) Fail	P59
60. Bearing Retainers	(Y) Yes	P60
61. Shaft Grounding Device	(NA) Not Applicable	
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	D.e. bearing	
67. Cause of Failure	<i>Lack of lubricant in D.E bearing caused excessive failure and contaminated grease in the O.d.e bearing contributed to premature failure of the bearings and is responsible for bearing pieces embedded in the motor windings.</i>	
68. Comments		



Machine Fit Inspection Report



70. Shaft Run Out		
71. Initial Shaft Run Out		
72. Final Shaft Run Out		
73. DE Bearing Shaft Fit	(F) Fail	P73
74. DE Initial Shaft Bearing Fit Size 1	"	
75. DE Initial Shaft Bearing Fit Size 2		
76. DE Initial Shaft Bearing Fit Size 3		
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		

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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
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

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- | |
|-------------------------|
| 156. Temp at 55 minutes |
| 157. Temp at 60 minutes |
| 158. Motor Paint |
| 159. Service Technician |



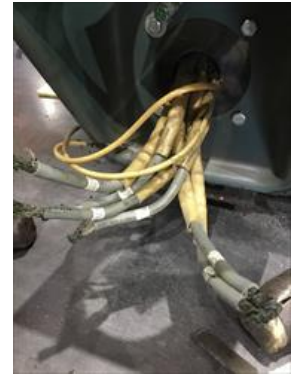
P12.1



P13.2



P13.3



P18.4



P27.5



P28.6



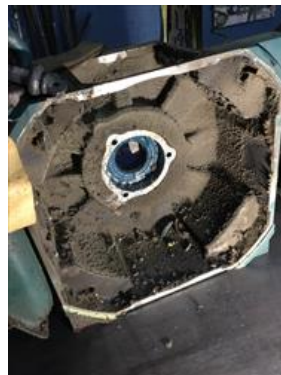
P28.7



P31.8



P31.9



P31.10



P41.11



P43.12

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P43.13



P43.14



P44.15



P44.16



P49.17



P51.18



P51.19



P51.20



P54.21



P54.22



P59.23



P59.24



P59.25



P60.26



P73.27

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