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

AC Recondition Repair Report

FolderID: 98729
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Delta Plastics (11016)
8801 Frazier Pike
Little Rock, AR 72206

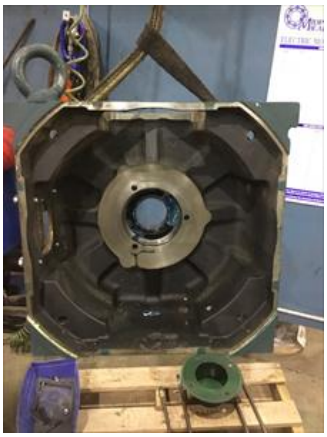
Priorities Found: **2 - High** **7 - Good**

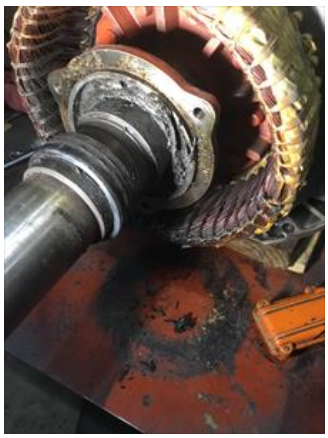
General

1.	Job Number	**98729**
2.	Report Date	**09/16/2021**
3.	Customer	**Delta Plastics**

Name Plate Information

4.	Manufacturer	**Baldor Reliance**	P5





5.	Model	**L5034A**
6.	Serial Number	**B9126122-020001**
7.	Horsepower	**150**
8.	KW	
9.	Volts	**460**
10.	Amps	**180**
11.	RPM	**1750**
12.	Frame	**URL2882Z**
13.	Enclosure	**DP**
14.	Cycles	**60**
15.	Phase	**3**

16.	Service Factor	**1.0**	
17.	Motor Mount Position		
Initial Inspection			
18.	Number of Leads		
19.	Lead Length		
20.	Lead Size		
21.	Lead Condition		
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		
28.	Does Shaft Have Visible Damage		
29.	Bearing Rtd's		
30.	Bearing Rtd's Condition		
31.	Contamination		
32.	Frame Condition		
33.	Fan Condition		
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	**(F) Fail**	
42.	Stator Condition	**pass**	
43.	Failure Location	**D.E. bearing fit failed.**	
Initial Rotor Inspection			
44.	Rotor Type	**squirrel cage laminate**	P4

45.	Air Gap <10% Variation		
46.	Number of Rotor Bars	**40**	
47.	Number of Broken Rotor Bars	**0**	
48.	Growler Test	**(P) Pass**	

49.	Rotor Condition	**(P) Pass**	
Mechanical Inspection			
50.	Bearing Manufacture	**FAG**	
51.	Bearing DE Size	**NU215**	
52.	Bearing DE Type	**NU215 LXC M1 C3**	P23

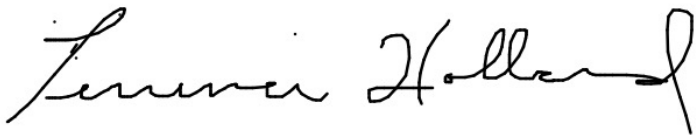
53.	DE Bearing Qty.	**1**	
54.	Bearing ODE Size	**6211 Z C3**	
55.	Bearing ODE Type	**regular ball bearing**	
56.	ODE Bearing Qty.	**1**	
57.	Insulated Bearing	**no**	
58.	Lubrication Type	**grease**	
59.	Grease Condition	**(F) Fail**	
60.	Bearing Retainers	**(Y) Yes**	P80

61.	Shaft Grounding Device	**(Y) Yes**	P81

62.	DE Seal	
63.	DE Seal Type/Size	
64.	ODE Seal	
65.	ODE Seal Type/Size	

Root Cause of Failure

66.	Component Failure	**D.E. bearing fit failed causing windings to ground**
67.	Cause of Failure ***D.E. Bearing fit failed.***	
68.	Comments	
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	
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	**(NA) Not Applicable**
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	**(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	
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