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

AC Recondition Repair Report

FolderID: 98545
FormID: 11268631

Peco Foods
625 S. Allen Street
Batesville, AR 72501

Priorities Found: **5 - High** **9 - Good**

General

1.	Job Number	**50**
2.	Report Date	**08/03/2021**
3.	Customer	**12476**

Name Plate Information

4.	Manufacturer	**BALDOR**	P5

5.	Model		
6.	Serial Number	**C1505141342**	
7.	Horsepower	**50**	
8.	KW		
9.	Volts	**460**	
10.	Amps	**116**	
11.	RPM	**1775**	
12.	Frame	**326TC**	
13.	Enclosure	**TEFC**	
14.	Cycles		
15.	Phase	**3**	
16.	Service Factor	**1.15**	
17.	Motor Mount Position		

Initial Inspection

18.	Number of Leads	**9**	P13

19.	Lead Length	**8.5 Inches**	
20.	Lead Size		
21.	Lead Condition	**(P) Pass**	
22.	Lead Markings	**1-9**	
23.	Lug Size, Condition, and Type		
24.	Winding RTD's		
25.	Winding Rtd's Condition		
26.	Shaft Run Out		

	27.	Does Shaft Turn Freely	**no**	
	28.	Does Shaft Have Visible Damage	**no**	
	29.	Bearing Rtd's		
	30.	Bearing Rtd's Condition		
	31.	Contamination ***Excessive dirt and debris inside fan cover and windings.***		
●	32.	Frame Condition	**(P) Pass**	
●	33.	Fan Condition	**(F) Fail**	P109

	34.	Broken or missing components ***Fan***		

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	**rewind**	
	43.	Failure Location	**windings**	

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		
●	49.	Rotor Condition	**(P) Pass**	P50

Mechanical Inspection

	50.	Bearing Manufacture	**FAG**	
	51.	Bearing DE Size	**6312 2Z**	
	52.	Bearing DE Type	**regular ball bearing**	
	53.	DE Bearing Qty.	**1**	
	54.	Bearing ODE Size	**6311 2Z**	P43

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

Root Cause of Failure

66.	Component Failure	**windings overloaded. bearings worn**
67.	Cause of Failure	***Windings overloaded. Fan destroyed. Bearings worn. O.D.E shaft bearing journal worn. O.D.E. housing fit worn.***
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	**(P) Pass**
74.	DE Initial Shaft Bearing Fit Size 1	**2.3627 "**
75.	DE Initial Shaft Bearing Fit Size 2	**2.3626 "**
76.	DE Initial Shaft Bearing Fit Size 3	**2.3625 "**
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	**(F) Fail**
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	**(P) Pass**
94.	DE Initial Endbell Fit Size 1	**5.1181 "**
95.	DE Initial Endbell Fit Size 2	**5.118 "**
96.	DE Initial Endbell Fit Size 3	**5.1181 "**
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	**(F) Fail**
	Groove worn in 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	
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