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

AC Recondition Repair Report

FolderID: 97565
FormID: 9354628

Peco Foods
625 S. Allen Street
Batesville, AR 72501

Priorities Found: **3 - High** **10 - Good**

General				
	1.	Job Number	**97565**	
	2.	Report Date		
	3.	Customer	**PECO FOODS**	
Name Plate Information				
	4.	Manufacturer	**BALDOR**	P5
	5.	Model		
	6.	Serial Number	**A1907302031**	
	7.	Horsepower	**200**	
	8.	KW		
	9.	Volts	**460**	
	10.	Amps	**221**	
	11.	RPM	**3565**	
	12.	Frame	**444TS**	
	13.	Enclosure	**DP**	
	14.	Cycles	**60**	
	15.	Phase	**3**	
	16.	Service Factor		
	17.	Motor Mount Position		
Initial Inspection				
	18.	Number of Leads	**6**	
	19.	Lead Length	**Inches**	
	20.	Lead Size		
🔴	21.	Lead Condition	**(F) Fail**	
	22.	Lead Markings	**1-6**	P51
	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	**no**	
	29.	Bearing Rtd's		
	30.	Bearing Rtd's Condition		
	31.	Contamination		P104
		Contaminated grease		
🟢	32.	Frame Condition	**(P) Pass**	P106
	33.	Fan Condition	**(NA) Not Applicable**	

	34. Broken or missing components		
	Connection box cover bolts missing, all except two.		
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		
	42. Stator Condition		P65
	43. Failure Location		
Initial Rotor Inspection			
	44. Rotor Type		P4
	45. Air Gap <10% Variation		
	46. Number of Rotor Bars	**39**	
	47. Number of Broken Rotor Bars	**0**	
	48. Growler Test	**(P) Pass**	
	49. Rotor Condition	**(P) Pass**	
Mechanical Inspection			
	50. Bearing Manufacture	**SKF**	
	51. Bearing DE Size	**6312 2Z/C3**	P15
	52. Bearing DE Type	**regular ball bearing**	
	53. DE Bearing Qty.	**1**	
	54. Bearing ODE Size	**6312 2Z/C3**	
	55. Bearing ODE Type	**regular ball bearing**	P53
	56. ODE Bearing Qty.	**1**	
	57. Insulated Bearing	**no**	
	58. Lubrication Type	**grease**	
	59. Grease Condition	**(F) Fail**	P74
	Dirty/gritty		
	60. Bearing Retainers	**(Y) Yes**	P80
	61. Shaft Grounding Device		
	62. DE Seal		
	63. DE Seal Type/Size		
	64. ODE Seal		
	65. ODE Seal Type/Size		
Root Cause of Failure			
	66. Component Failure	**leads**	
	67. Cause of Failure		
	Loose connection inside terminal box.		
	68. Comments		
	Found lead ends melted inside connection box and winding strings burnt through. Rewind required.		

	69.	Service Technician	**Terrence Holland**

Machine Fit Inspection Report

●	70.	Shaft Run Out	**(P) Pass**
	71.	Initial Shaft Run Out	**0.002 "**
	72.	Final Shaft Run Out	
●	73.	DE Bearing Shaft Fit	**(P) Pass**
	74.	DE Initial Shaft Bearing Fit Size 1	**2.5593 "**
	75.	DE Initial Shaft Bearing Fit Size 2	**2.5592 "**
	76.	DE Initial Shaft Bearing Fit Size 3	**2.5593 "**
	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	**2.5593 "**
	82.	ODE Initial Shaft Bearing Fit Size 2	**2.5591 "**
	83.	ODE Initial Shaft Bearing Fit Size 3	**2.5591 "**
	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	**5.5128 "**
	95.	DE Initial Endbell Fit Size 2	**5.5125 "**
	96.	DE Initial Endbell Fit Size 3	**5.5128 "**
	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	**(F) Fail**
	105.	ODE Initial Endbell Fit Size 1	**"**
		Lip worn in housing fit.	
	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	**(NA) Not Applicable**
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	**(NA) Not Applicable**
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

P4.1

P5.2

P5.3

P5.4

P5.5

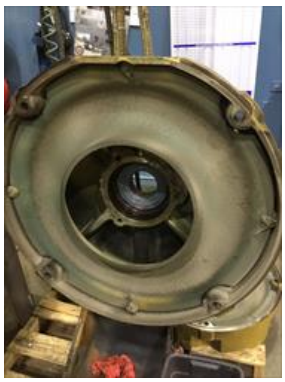
P5.6

P5.7

P5.8

P5.9

P5.10



P5.11

P5.12

P15.13

P15.14

P51.15

P53.16

P65.17

P74.18

P74.19

P80.20

P104.21

P104.22

P106.23