



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

AC Recondition Repair Report

FolderID: 97936
FormID: 10154219

Peco Foods
Hwy 67
Pocahontas, AR 72455

Priorities Found: ● 2 - High ● 13 - Good

General

1. Job Number	97936
2. Report Date	03/04/2021
3. Customer	PECO FOODS

Name Plate Information



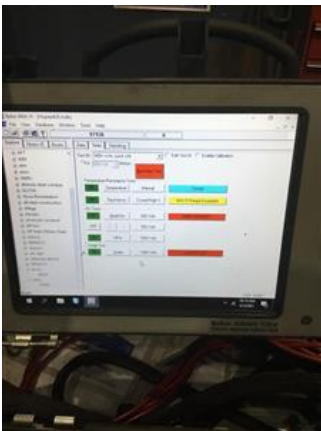
4. Manufacturer	U.S. MOTORS	P5
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
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






5. Model	FG25 J
6. Serial Number	CAT# H025 V2BLG
7. Horsepower	25
8. KW	
9. Volts	460
10. Amps	29.2
11. RPM	1775
12. Frame	284TPH
13. Enclosure	WP1
14. Cycles	60
15. Phase	3
16. Service Factor	1.15
17. Motor Mount Position	
Initial Inspection 	
18. Number of Leads	9
19. Lead Length	10 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	

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27.	Does Shaft Turn Freely		
28.	Does Shaft Have Visible Damage		
29.	Bearing Rtd's		
30.	Bearing Rtd's Condition		
31.	Contamination Yes		
32.	Frame Condition	(P) Pass	P106
<div style="display: flex; justify-content: space-around;">   </div>			
33.	Fan Condition	(NA) Not Applicable	
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	Ohm's	
39.	Resistive Imbalance	%	
40.	Hi-Pot		



42. Stator Condition

good

P65



43. Failure Location

P68



Initial Rotor Inspection



44. Rotor Type

squirrel cage hollow shaft

P4





45. Air Gap <10% Variation

46. Number of Rotor Bars

47. Number of Broken Rotor Bars

48. Growler Test

● 49. Rotor Condition

(P) Pass

P50



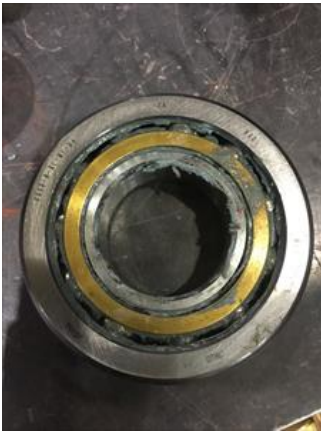
Mechanical Inspection



50. Bearing Manufacture

FAG

P1



51. Bearing DE Size

7310-B-XL-MP-UA

52. Bearing DE Type

thrust

53. DE Bearing Qty.

1

54. Bearing ODE Size

6210 2Z

P43



55. Bearing ODE Type

Koyo: regular ball bearing

56. ODE Bearing Qty.

1

57. Insulated Bearing

no

58. Lubrication Type

grease

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Watery/dirty



60. Bearing Retainers (Y) Yes

61. Shaft Grounding Device (Y) Yes

Aegis ring

62. DE Seal (NA) Not Applicable

63. DE Seal Type/Size

64. ODE Seal

65. ODE Seal Type/Size

Root Cause of Failure

66. Component Failure windings

67. Cause of Failure

Coil to coil short

68. Comments

Windings tested bad. Coil to coil short. Bearing grease contaminated with water and dirt.

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

1.9687 "

75. DE Initial Shaft Bearing Fit Size 2

1.9686 "

76. DE Initial Shaft Bearing Fit Size 3

1.9687 "

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


1.969 "

82. ODE Initial Shaft Bearing Fit Size 2

1.9689 "

83.	ODE Initial Shaft Bearing Fit Size 3	1.969 "	
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	P129
			
94.	DE Initial Endbell Fit Size 1	4.3307 "	
95.	DE Initial Endbell Fit Size 2	4.3309 "	
96.	DE Initial Endbell Fit Size 3	4.3309 "	
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	(P) Pass	P145
			
105.	ODE Initial Endbell Fit Size 1	3.5339 "	

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106. ODE Initial Endbell Fit Size 2	3.534 "
107. ODE Initial Endbell Fit Size 3	3.534 "
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	(NA) Not Applicable
● 116. Foot Condition	(NA) Not Applicable
● 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

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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