



**KEEPING YOUR FACILITY UP TO SPEED**  
— EVERY DAY SINCE 1946 —

Motor Shop Repairs

**Job Number 98010**

Prepared for Peco Foods

Hwy 67  
Pocahontas AR 72455

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AC Recondition Repair Report

1.0

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

## AC Recondition Repair Report

FolderID: 98010  
FormID: 10290867

**Peco Foods**  
Hwy 67  
Pocahontas, AR 72455

Priorities Found: ● 2 - High ● 15 - Good

### General

1. Job Number	98010
2. Report Date	3/23/2021
3. Customer	PECO FOODS

### Name Plate Information

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## 4. Manufacturer

NIDEC CORP.



5. Model	RG25
6. Serial Number	CAT# H025V2BLG
7. Horsepower	25
8. KW	
9. Volts	460
10. Amps	29.2
11. RPM	1775
12. Frame	284TPH
13. Enclosure	WPI

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14. Cycles	60
15. Phase	3
16. Service Factor	1.15
17. Motor Mount Position	
<b>Initial Inspection</b>	
18. Number of Leads	9



19. Lead Length	10 Inches
20. Lead Size	12
21. Lead Condition	(P) Pass
22. Lead Markings	1-9
23. Lug Size, Condition, and Type	
24. Winding RTD's	(NA) Not Applicable
25. Winding Rtd's Condition	(NA) Not Applicable
26. Shaft Run Out	
27. Does Shaft Turn Freely	yes
28. Does Shaft Have Visible Damage	no
29. Bearing Rtd's	(NA) Not Applicable
30. Bearing Rtd's Condition	(NA) Not Applicable
31. Contamination	
32. Frame Condition	(P) Pass
33. Fan Condition	(NA) Not Applicable
34. Broken or missing components	

#### Initial Electric Test

35. Resistance to Ground	0 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	(NA) Not Applicable

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## 42. Stator Condition

Rewind



## 43. Failure Location

## Initial Rotor Inspection

## 44. Rotor Type

cast aluminum



## 45. Air Gap &lt;10% Variation

## 46. Number of Rotor Bars

## 47. Number of Broken Rotor Bars

## 48. Growler Test

## ● 49. Rotor Condition

(P) Pass

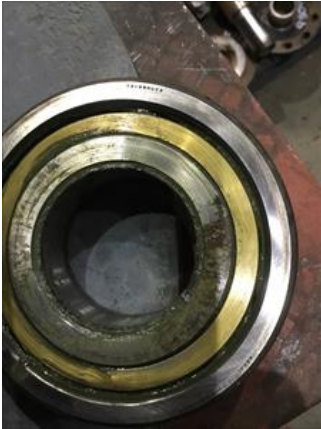
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## Mechanical Inspection

50. Bearing Manufacture

Nachi



51. Bearing DE Size

7310

Chemical Corrosion



52. Bearing DE Type

Thrust ball bearing



53. DE Bearing Qty.

1

54. Bearing ODE Size

6210ZZ

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55. Bearing ODE Type	ball
56. ODE Bearing Qty.	1
57. Insulated Bearing	no
58. Lubrication Type	Grease
59. Grease Condition	(NA) Not Applicable



60. Bearing Retainers	(Y) Yes
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61. Shaft Grounding Device (Y) Yes

Ageis ring shaft size 23604



62. DE Seal

63. DE Seal Type/Size

64. ODE Seal

65. ODE Seal Type/Size

#### Root Cause of Failure

66. Component Failure

67. Cause of Failure

68. Comments

69. Service Technician

#### 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 1.9686 "

75. DE Initial Shaft Bearing Fit Size 2 1.9686 "

76. DE Initial Shaft Bearing Fit Size 3 1.9686 "

77. DE Finial Shaft Bearing Fit Size 1

78. DE Finial Shaft Bearing Fit Size 2

79. DE Finial Shaft Bearing Fit Size 3

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80. ODE Bearing Shaft Fit

(P) Pass



81. ODE Initial Shaft Bearing Fit Size 1	1.9689 "
82. ODE Initial Shaft Bearing Fit Size 2	1.9689 "
83. ODE Initial Shaft Bearing Fit Size 3	1.9689 "
84. ODE Final Shaft Bearing Fit Size 1	
85. ODE Final Shaft Bearing Fit Size 2	
86. ODE Final 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	(F) Fail



94. DE Initial Endbell Fit Size 1	4.3321 "
95. DE Initial Endbell Fit Size 2	4.3321 "
96. DE Initial Endbell Fit Size 3	4.3321 "
97. DE Final Endbell Fit Size 1	4.3312 "

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98. DE Finial Endbell Fit Size 2	4.3311 "
99. DE Final Endbell Fit Size 3	4.3311 "
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



105. ODE Initial Endbell Fit Size 1	3.5448 "
106. ODE Initial Endbell Fit Size 2	3.5448 "
107. ODE Initial Endbell Fit Size 3	3.5448 "

108. ODE Final Endbell Fit Size 1

3.5433 "



109. ODE Final Endbell Fit Size 2	3.5434 "
110. ODE Final Endbell Fit Size 3	3.5434 "
111. ODE Endbell Fit Insulated	(NA) Not Applicable
112. ODE Endbell Air Seal Fit	
113. ODE Initial Endbell Seal Fit Size	
114. ODE Final Endbell Seal Fit Size	
● 115. Foot Flatness	(NA) Not Applicable
● 116. Foot Condition	(NA) Not Applicable
● 117. Flange Condition	(P) Pass
118. Service Technician	RW
	

### 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

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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



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