



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

AC Recondition Repair Report

FolderID: 98158
FormID: 10539691

Peco Foods
Hwy 67
Pocahontas, AR 72455

Priorities Found: ● 14 - Good

General



1. Job Number

98158

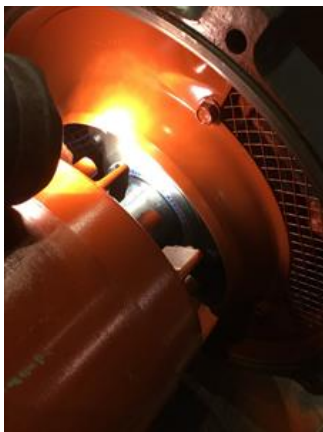
P9



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




2. Report Date	04/29/2021
3. Customer	PECO FOODS
Name Plate Information	
4. Manufacturer	U.S. MOTORS







5. Model	FG25
6. Serial Number	CAT # HO25V2BLG
7. Horsepower	25
8. KW	
9. Volts	460
10. Amps	29
11. RPM	1775

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12.	Frame	284TPH	
13.	Enclosure	WPI	
14.	Cycles	60	
15.	Phase	3	
16.	Service Factor	1.15	
17.	Motor Mount Position		
Initial Inspection			
18.	Number of Leads	9	P13
			
19.	Lead Length	15 Inches	
20.	Lead Size	12	
● 21.	Lead Condition	(P) Pass	P42
			
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	

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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	(NA) Not Applicable	P58
		
42. Stator Condition	rewind	P65
		
43. Failure Location		
Initial Rotor Inspection		
44. Rotor Type	cast aluminum	
45. Air Gap <10% Variation		
46. Number of Rotor Bars		
47. Number of Broken Rotor Bars		
48. Growler Test		
● 49. Rotor Condition	(P) Pass	
Mechanical Inspection		
50. Bearing Manufacture	FAG PEER	

51. Bearing DE Size

7310

P15

Ageis ring shaft size 2.364



52. Bearing DE Type

Thrust ball bearing

P23



53. DE Bearing Qty.

1

54. Bearing ODE Size

6210ZZ

P43



55. Bearing ODE Type

ball bearing

56. ODE Bearing Qty.

1

57. Insulated Bearing

no

58. Lubrication Type

grease

59. Grease Condition

(P) Pass

P74

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60. Bearing Retainers

61. Shaft Grounding Device

(Y) Yes

P81



62. DE Seal

(NA) Not Applicable

63. DE Seal Type/Size

64. ODE Seal

(NA) Not Applicable

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

1.9689 "

75. DE Initial Shaft Bearing Fit Size 2

1.9689 "

76. DE Initial Shaft Bearing Fit Size 3

1.9689 "

77. DE Final Shaft Bearing Fit Size 1

78. DE Final Shaft Bearing Fit Size 2

79. DE Final Shaft Bearing Fit Size 3

80. ODE Bearing Shaft Fit

(P) Pass

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81.	ODE Initial Shaft Bearing Fit Size 1	1.9688 "
82.	ODE Initial Shaft Bearing Fit Size 2	1.9688 "
83.	ODE Initial Shaft Bearing Fit Size 3	1.9688 "
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	4.3315 "
95.	DE Initial Endbell Fit Size 2	4.3315 "
96.	DE Initial Endbell Fit Size 3	4.3315 "
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	(P) Pass
105.	ODE Initial Endbell Fit Size 1	3.544 "
106.	ODE Initial Endbell Fit Size 2	3.544 "
107.	ODE Initial Endbell Fit Size 3	3.544 "
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	
116.	Foot Condition	
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 |

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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