



## AC Inspection as Found

### Peco Foods

625 S. Allen Street  
Batesville, AR 72501

FolderID: 101748  
FormID: 17633798

#### AC Inspection - Rev. 2

Location: Shop

Serial Number: C1204191062

Description: 50HP BALDOR 1800RPM 326TC

Hi-Speed Job Number: 101748

Manufacturer: Baldor

Product Number: CEM4115T

Spec/ID #: 12C052Z278G1

Serial Number: C1204191062

HP/kW: 50 (HP)

RPM: 1775 (RPM)

Frame: 326TC

Voltage: 230 / 460

Current: 114/57

Phase: Three

Hz: 60 (Hz)

Service Factor: 1.15

Enclosure: TEFC

J-box Included: Complete

Coupling/Sheave: None

Bearing RTDs: No

Stator RTDs: No

Heaters: No

Winding Type : Random Wound

Bearing Type: Rolling Element

Priorities Found: ● 2 - High

● 6 - Good

#### Overall Condition

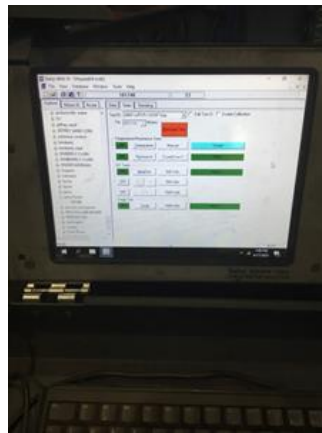


1. Report Date
2. Nameplate Picture

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3.    Photos of all six sides of the machine.
4.    Describe the Overall Condition of the Equipment as Received  
*Serviceable.*

Initial Mechanical/Electrical 		
5.	Does Shaft Turn Freely?	(Yes) Yes
6.	Does Shaft Have Visible Damage?	(No) No
7.	Assembled Shaft Runout	0.001 Inches
8.	Assembled Shaft End Play	
9.	Air Gap Variation <10%	
10.	Lead Condition	(P) Pass

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11.	Lead Length	18.75 Inches
12.	Lead Numbers	1-9
13.	Frame Condition	pass



15. Broken or Missing Components

connection box top cover  
missing**Initial Electrical Inspection**

16. Insulation Resistance/Megger

17. Winding Resistance

1-2

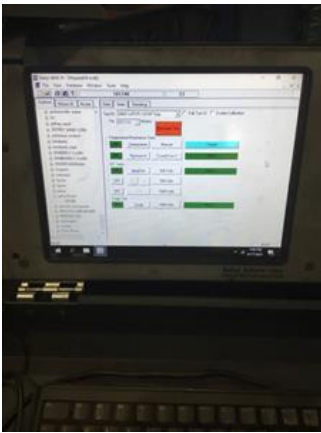
1-3

2-3

● 18. Perform Surge Test

(P) Pass

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19. Number of Stator Slots

48

20. Stator Condition

pass

21. Stator Thermistors/Ohms

none

22. Stator Overloads/Ohms

n/a

**Mechanical Inspection**

23. Drive End Bearing Brand

skf

24. Drive End Bearing Number-

6312 2Z

25. Drive End Bearing Qty.

1

26. Drive End Bearing Type

(Ball) Ball Bearing

27. Drive End Lubrication Type

(Grease) Grease Lubricated

28. Drive End Bearing Insulation or Grounding Device?

none

29. Drive End Wavy Washer/Snap-Ring Other Retention Device?

star washer and locking nut

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30. Drive End Bearing Condition

fail

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31. Opposite Drive End Bearing Brand

skf

32. Opposite Drive End Bearing Number-

6311

33. Opposite Drive End Bearing Qty.

1

34. Opposite Drive End Bearing Type

(Ball) Ball Bearing

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35. Opposite Drive End Lubrication Type

(Grease) Grease Lubricated

36. Opposite Drive End Bearing Insulation or Grounding Device?

none

37. Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?

wavy washer

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38. Opposite Drive End Bearing Condition

replace

39. Drive End Seal

lip seal VA-055

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 Replace



40. Opposite Drive End Seal

none

## Rotor Inspection



41. Rotor Type/Material

(Squirrel Aluminum) Squirrel  
Cage Aluminum Die Cast

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42. Growler Test

(Pass) Pass

43. Number of Rotor Bars

40

44. Rotor Condition

pass

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45. List the Parts needed for the Repair Below  
*Repair O.D.E shaft bearing journal. Replace lip seal VA-055.*

46. Signature of Technician that Disassembled Motor

Terrence Holland



### Mechanical Fits- Rotor

47. Shaft Runout **0.001 inches**

48. Rotor Runout

Drive End Bearing Fit

Rotor Body

Opposite Drive End Bearing

49. Coupling Fit Closest to Bearing Housing

0 Degrees

90 Degrees

120 Degrees

50. Coupling Fit Closest to the end of the Shaft

0 Degrees

60 Degrees

120 Degrees

51. Drive End Bearing Shaft Fit

0 Degrees

60 Degrees

120 Degrees

**2.3626**

**2.3627**

**2.3626**

52. Drive End Bearing Shaft Fit Condition **(P) Pass**

53. Opposite Drive End Bearing Shaft Fit

0 Degrees

60 Degrees

120 Degrees

**2.1601**

**2.1603**

**2.1602**

54. Opposite Drive End Bearing Shaft Fit Condition **(F) Fail**

55. Shaft Air Seal Fits

Drive End Air Seal

Opposite Drive End Air Seal

### Mechanical Fits- Bearing Housings



56. Drive End - Endbell Bearing Fit

0 Degrees

60 Degrees

120 Degrees

**5.1187**

**5.1186**

**5.1185**

57. Drive End - Endbell Bearing Fit Condition **(P) Pass**

58. Opposite Drive End - Endbell Bearing Fit

0 Degrees

60 Degrees

120 Degrees

**4.7258**

**4.7258**

**4.7258**

 **Fail**

59. Opposite Drive End - Endbell Bearing Fit Condition **(F) Fail**

 **Lip worn in**



## 60. Bearing Cap Condition

Drive End Bearing Cap  
pass

Opposite Drive End Bearing Cap  
pass



## 61. End Bell Air Seal Fits

Drive End Air Seal

Opposite Drive End Air Seal

## 62. List Machine Work Needed Below

*Ode shaft fit, and end bell housing fit has lip worn in.*

## 63. Technician

Terrence Holland

A handwritten signature in black ink, appearing to read 'Terrence Holland'.

### Dynamic Balance Report

## 64. Rotor Weight and Balance Grade

Rotor Weight

Balance Grade

## 65. Initial Balance Readings

Drive End

Opposite Drive End

## 66. Final Balance Readings

Drive End

Opposite Drive End

## 67. Technician

### Rewind

## 68. Core Test Results - Watts loss per Pound

Pre-Burnout

Post Burnout

## 69. Core Hot Spot Test

Pre-Burnout

Post-Burnout

## 70. Post Rewind Electrical Test- Insulation Resistance

## 71. Post Rewind Polarization Index

72.	Post Rewind Winding Resistance		
	1-2	1-3	2-3
73.	Post Rewind Surge Test		
74.	Post Rewind Hi-Pot		
75.	Technician		
Root Cause of Failure			
76.	Failure locations		
77.	Root cause of failure		
Mechanical Fits- Rotor - Post Repair			
78.	Shaft Runout Post Repair		
79.	Rotor Runout Post Repair		
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing
80.	Coupling Fit Closest to Bearing Housing Post Repair		
	0 Degrees	90 Degrees	120 Degrees
81.	Coupling Fit Closest to the end of the Shaft Post Repair		
	0 Degrees	60 Degrees	120 Degrees
82.	Drive End Bearing Shaft Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
83.	Opposite Drive End Bearing Shaft Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
84.	Shaft Air Seal Fits Post Repair		
	Drive End Air Seal	Opposite Drive End Air Seal	
85.	Shaft Repair Sign-off		
Mechanical Fits- Bearing Housings - Post Repair			
86.	Drive End - Endbell Bearing Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
87.	Opposite Drive End - Endbell Bearing Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
88.	Bearing Cap Condition Post Repair		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap	
89.	End Bell Air Seal Fits Post Repair		
	Drive End Air Seal	Opposite Drive End Air Seal	
90.	End Bell Repair Sign-off		
Assembly			
91.	QC Check All Parts for Cleanliness Prior to Assembly		

92.	Photograph All Major Components prior to assembly		
93.	Final Insulation Resistance Test		
94.	Assembled Shaft Endplay		
95.	Assembled Shaft Runout		
96.	Test Run Voltage		
	Volts	Volts	Volts
97.	Test Run Amperage		
	Amps	Amps	Amps
98.	Drive End Vibration Readings - Inches Per Second		
	Horizontal	Vertical	Axial
99.	Opposite Drive End Vibration Readings - Inches Per Second		
	Horizontal	Vertical	Axial
100.	Ambient Temperature - Fahrenheit		
101.	Drive End Bearing Temps - Fahrenheit		
	5 Minutes	10 Minutes	15 Minutes
102.	Opposite Drive End Bearing Temps - Fahrenheit		
	5 Minutes	10 Minutes	15 Minutes
103.	Document Final Condition with Pictures after paint		
104.	Final Pics and QC Review		