



AC Inspection as Found

Sage V Foods

5901 SLOAN DRIVE
LITTLE ROCK, AR 72206

FolderID: 101627
FormID: 17347485

AC Inspection - Rev. 2

Location: MOTOR SHOP LR

Serial Number:

Description: 50HP BALDOR

Hi-Speed Job Number: 101627

Manufacturer: Baldor

Serial Number: C2204261427

HP/kW: 50 (HP)

RPM: 1770 (RPM)

Frame: 326TD

Voltage: 230 / 460

Current: 117-57

Phase: Three

Hz: 60 (Hz)

Service Factor: 1.15

Enclosure: TEFC

J-box Included: Complete

Coupling/Sheave: None

Date Received: 07/18/2023

Bearing RTDs: No

Stator RTDs: No

Repair Stage: Final

Rewind: No

Shaft Machined Fit Repairs
Required: Yes

Bearing Housing Machined
Fit Repairs Required: No

Heaters: No

Bearing Type: Rolling Element

Priorities Found: ● 1 - High ● 8 - Good

Overall Condition



1. Report Date

2. Nameplate Picture

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4. Describe the Overall Condition of the Equipment as Received
Serviceable

Initial Mechanical/Electrical





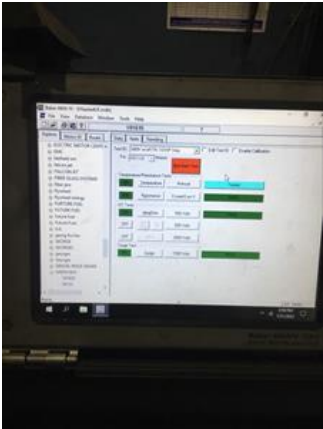


- | | | | |
|---|------------------------------------|-----------|-----|
| ● | 5. Does Shaft Turn Freely? | (Yes) Yes | |
| ● | 6. Does Shaft Have Visible Damage? | (Yes) Yes | P17 |
| ■ | <i>Key way wallowed.</i> | | |



- | | | |
|---|-----------------------------|-------------|
| ● | 7. Assembled Shaft Runout | 0.9 Inches |
| | 8. Assembled Shaft End Play | |
| | 9. Air Gap Variation <10% | |
| ● | 10. Lead Condition | (P) Pass |
| | 11. Lead Length | 10.5 Inches |

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12. Lead Numbers	1-9	
13. Frame Condition	pass	P105
<div>   </div>		
14. Fan Condition	(P) Pass	P109
<div>  </div>		
15. Broken or Missing Components		
Initial Electrical Inspection		
16. Insulation Resistance/Megger		
17. Winding Resistance		
1-2	1-3	2-3
18. Perform Surge Test	(P) Pass	P58
<div>  </div>		
19. Number of Stator Slots	48 Megohms	

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20.	Stator Condition	pass	
21.	Stator Thermistors/Ohms	none	
22.	Stator Overloads/Ohms	none	
Mechanical Inspection			
23.	Drive End Bearing Brand	Peer	
24.	Drive End Bearing Number-	6312	P28
<div>   </div>			
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 gland nut	
30.	Drive End Bearing Condition	replace	
31.	Opposite Drive End Bearing Brand	PEER	
32.	Opposite Drive End Bearing Number-	6312	P99
<div>   </div>			
33.	Opposite Drive End Bearing Qty.	1	
34.	Opposite Drive End Bearing Type	(Ball) Ball Bearing	
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	
38.	Opposite Drive End Bearing Condition	replace	P116

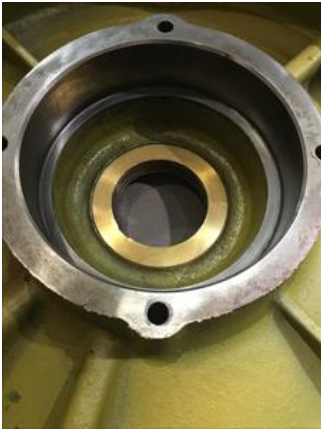
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39. Drive End Seal

in pro

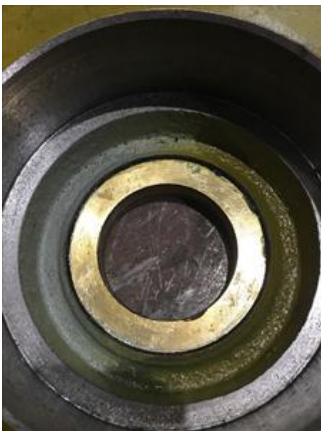
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40. Opposite Drive End Seal

in pro

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Rotor Inspection





42. Growler Test (Pass) Pass

43. Number of Rotor Bars 40

44. Rotor Condition shaft replacement needed.

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Shaft bent more than .90. And key way wallowed.

45. List the Parts needed for the Repair Below
New shaft, and new bearings.

46. Signature of Technician that Disassembled Motor

Terrence Holland

Mechanical Fits- Rotor

47. Shaft Runout 0.9 inches

48. Rotor Runout

Drive End Bearing Fit

Rotor Body

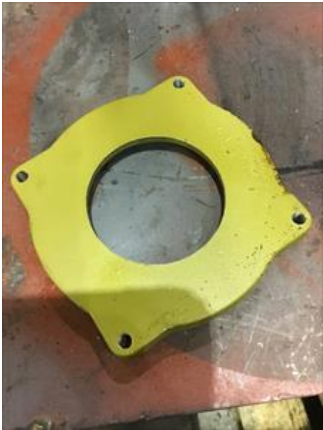
Opposite Drive End Bearing

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
<div> <div></div> Needs new shaft </div>			
52.	Drive End Bearing Shaft Fit Condition		(P) Pass
53.	Opposite Drive End Bearing Shaft Fit		
	0 Degrees	60 Degrees	120 Degrees
	2.363	2.3632	2.363
54.	Opposite Drive End Bearing Shaft Fit Condition		(P) Pass
55.	Shaft Air Seal Fits		
	Drive End Air Seal	Opposite Drive End Air Seal	
Mechanical Fits- Bearing Housings <div> <div></div> </div>			
56.	Drive End - Endbell Bearing Fit		
	0 Degrees	60 Degrees	120 Degrees
	5.119	5.1188	5.1188
57.	Drive End - Endbell Bearing Fit Condition		(P) Pass
58.	Opposite Drive End - Endbell Bearing Fit		
	0 Degrees	60 Degrees	120 Degrees
	5.1187	5.1185	5.1186
59.	Opposite Drive End - Endbell Bearing Fit Condition		(P) Pass
60.	Bearing Cap Condition		
	Drive End Bearing Cap	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		
	New shaft		

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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

Root Cause of Failure

68. Failure locations

69. Root cause of failure

Mechanical Fits- Rotor - Post Repair

70. Shaft Runout Post Repair

71. Rotor Runout Post Repair

Drive End Bearing Fit

Rotor Body

Opposite Drive End Bearing

72. Coupling Fit Closest to Bearing Housing Post Repair

0 Degrees

90 Degrees

120 Degrees

73. Coupling Fit Closest to the end of the Shaft Post Repair

0 Degrees

60 Degrees

120 Degrees

74. Drive End Bearing Shaft Fit Post Repair

0 Degrees

60 Degrees

120 Degrees

75. Opposite Drive End Bearing Shaft Fit Post Repair

0 Degrees

60 Degrees

120 Degrees

76. Shaft Air Seal Fits Post Repair

Drive End Air Seal

Opposite Drive End Air Seal

77. Shaft Repair Sign-off

Assembly

78. QC Check All Parts for Cleanliness Prior to Assembly

79. Photograph All Major Components prior to assembly

80. Final Insulation Resistance Test

81. Assembled Shaft Endplay

82. Assembled Shaft Runout

83.	Test Run Voltage		
	Volts	Volts	Volts
84.	Test Run Amperage		
	Amps	Amps	Amps
85.	Drive End Vibration Readings - Inches Per Second		
	Horizontal	Vertical	Axial
86.	Opposite Drive End Vibration Readings - Inches Per Second		
	Horizontal	Vertical	Axial
87.	Ambient Temperature - Fahrenheit		
88.	Drive End Bearing Temps - Fahrenheit		
	5 Minutes	10 Minutes	15 Minutes
89.	Opposite Drive End Bearing Temps - Fahrenheit		
	5 Minutes	10 Minutes	15 Minutes
90.	Stator Temperatures- Fahrenheit		
	5 Minutes	10 Minutes	15 Minutes
91.	Document Final Condition with Pictures after paint		
92.	Final Pics and QC Review		