



AC Inspection as Found

Sage V Foods

5901 SLOAN DRIVE
LITTLE ROCK, AR 72206

FolderID: 101836
FormID: 17857840

AC Inspection - Rev. 2

Location: MOTOR SHOP LR

Serial Number:

Description: 25 HP BALDOR

Hi-Speed Job Number: 101836

Manufacturer: Baldor

Serial Number: 10-0000-0086

HP/kW: 25 (HP)

RPM: 1775 (RPM)

Frame: 284T

Voltage: 230 / 460

Current: 62 / 31

Phase: Three

Hz: 60 (Hz)

Service Factor: 1.00

J-box Included: Half

Coupling/Sheave: None

Date Received: 09/13/2023

Bearing RTDs: No

Stator RTDs: No

Repair Stage: Final

Priorities Found: ● 4 - High ● 8 - 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
Dirty


Initial Mechanical/Electrical

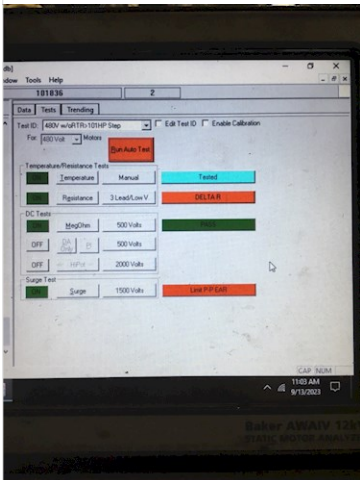


- | | |
|------------------------------------|--------------|
| 5. Does Shaft Turn Freely? | (Yes) Yes |
| 6. Does Shaft Have Visible Damage? | (No) No |
| 7. Assembled Shaft Runout | 0.001 Inches |
| 8. Assembled Shaft End Play | |
| 9. Air Gap Variation <10% | |

Bare wires





11.	Lead Length	14 Inches	
12.	Lead Numbers	1-9	
13.	Frame Condition	pass	
14.	Fan Condition	(N) NA	
15.	Heater Quantity, Ratings		
	Quantity	Volts/Watts	Pass/Fail
16.	Broken or Missing Components	na	
Initial Electrical Inspection			
17.	Insulation Resistance/Megger		
18.	Winding Resistance		
	1-2	1-3	2-3




20. Number of Stator Slots			
21. Stator Condition	pass		
22. Stator Thermistors/Ohms			
23. Stator Overloads/Ohms			
Mechanical Inspection			
24. Drive End Bearing Brand			
25. Drive End Bearing Number-	6311		

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26.	Drive End Bearing Qty.	1	
27.	Drive End Bearing Type	(Ball) Ball Bearing	
28.	Drive End Lubrication Type	(Grease) Grease Lubricated	
29.	Drive End Bearing Insulation or Grounding Device?	na	
30.	Drive End Wavy Washer/Snap-Ring Other Retention Device?	na	
31.	Drive End Bearing Condition	signs of frosting	P80
			
32.	Opposite Drive End Bearing Brand		
33.	Opposite Drive End Bearing Number-	6309	
34.	Opposite Drive End Bearing Qty.	1	
35.	Opposite Drive End Bearing Type	(Ball) Ball Bearing	
36.	Opposite Drive End Lubrication Type	(Grease) Grease Lubricated	
37.	Opposite Drive End Bearing Insulation or Grounding Device?	na	
38.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	wavy washer	
39.	Opposite Drive End Bearing Condition	severe frosting	P114
			
40.	Drive End Seal	labyrinth seal	
41.	Opposite Drive End Seal		
42.	DE Sleeve Bearing Inside Diameter		
	0 degrees	120 degrees	240 degrees
43.	DE Sleeve Bearing Outside Diameter		
	0 degrees	120 degrees	240 degrees

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44.	DE Sleeve Bearing Housing Inside Diameter		
	0 degrees	120 degrees	240 degrees
45.	DE Sleeve Bearing to Housing Clearance		
	0 degrees	120 degrees	240 degrees
46.	ODE Sleeve Bearing Inside Diameter		
	0 degrees	120 degrees	240 degrees
47.	ODE Sleeve Bearing Outside Diameter		
	0 degrees	120 degrees	240 degrees
48.	ODE Sleeve Bearing Housing Inside Diameter		
	0 degrees	120 degrees	240 degrees
49.	ODE Sleeve Bearing to Housing Clearance		
	0 degrees	120 degrees	240 degrees
Rotor Inspection			
50.	Rotor Type/Material		(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast
51.	Growler Test		(Pass) Pass
52.	Number of Rotor Bars		42
53.	Rotor Condition		pass
54.	List the Parts needed for the Repair Below 6311 6309 Bearing sleeve for ODE end bell		
55.	Signature of Technician that Disassembled Motor		Cw
			
Mechanical Fits- Rotor			
56.	Shaft Runout		
57.	Rotor Runout		
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing
58.	Coupling Fit Closest to Bearing Housing		
	0 Degrees	90 Degrees	120 Degrees
59.	Coupling Fit Closest to the end of the Shaft		
	0 Degrees	60 Degrees	120 Degrees
60.	Drive End Bearing Shaft Fit		
	0 Degrees	60 Degrees	120 Degrees

61.	Drive End Bearing Shaft Fit Condition	(P) Pass	
62.	Opposite Drive End Bearing Shaft Fit		
	0 Degrees	60 Degrees	120 Degrees
63.	Opposite Drive End Bearing Shaft Fit Condition	(P) Pass	
64.	Shaft Air Seal Fits		
	Drive End Air Seal	Opposite Drive End Air Seal	
Mechanical Fits- Bearing Housings			
65.	Drive End - Endbell Bearing Fit		
	0 Degrees	60 Degrees	120 Degrees
66.	Drive End - Endbell Bearing Fit Condition	(P) Pass	
67.	Opposite Drive End - Endbell Bearing Fit		
	0 Degrees	60 Degrees	120 Degrees
	3.9379	3.9379	3.9379
68.	Opposite Drive End - Endbell Bearing Fit Condition	(P) Pass	
69.	Bearing Cap Condition	P50	
	Drive End Bearing Cap	Opposite Drive End Bearing Cap	

Pass



70.	End Bell Air Seal Fits		
	Drive End Air Seal	Opposite Drive End Air Seal	

71. List Machine Work Needed Below

72. Technician Cw

Dynamic Balance Report

73.	Rotor Weight and Balance Grade		
	Rotor Weight	Balance Grade	

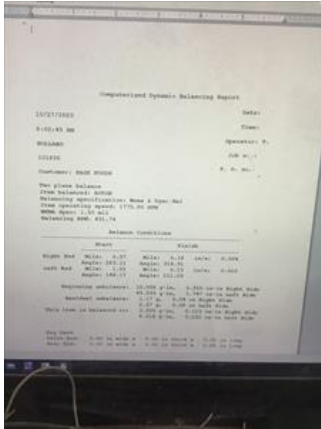
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74. Initial Balance Readings

P11

Drive End

Opposite Drive End

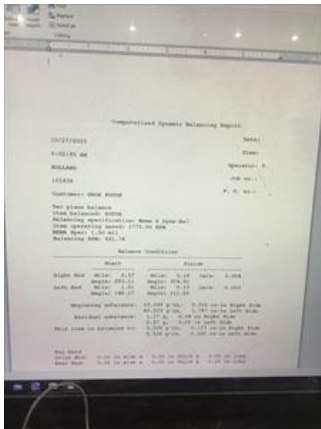


75. Final Balance Readings

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Drive End

Opposite Drive End



76. Technician

Rewind

77. Core Test Results - Watts loss per Pound

Pre-Burnout

Post Burnout

78. Core Hot Spot Test

Pre-Burnout

Post-Burnout

79. Post Rewind Electrical Test- Insulation Resistance

80. Post Rewind Polarization Index

81. Post Rewind Winding Resistance

1-2

1-3

2-3

82. Post Rewind Surge Test

83. Post Rewind Hi-Pot

84. Technician

Root Cause of Failure

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85.	Failure locations <i>Bearings and windings</i>		
86.	Root cause of failure <i>Wear, frosting, and water contamination</i>		
Mechanical Fits- Rotor - Post Repair			
87.	Shaft Runout Post Repair		
88.	Rotor Runout Post Repair		
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing
89.	Coupling Fit Closest to Bearing Housing Post Repair		
	0 Degrees	90 Degrees	120 Degrees
90.	Coupling Fit Closest to the end of the Shaft Post Repair		
	0 Degrees	60 Degrees	120 Degrees
91.	Drive End Bearing Shaft Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
92.	Opposite Drive End Bearing Shaft Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
93.	Shaft Air Seal Fits Post Repair		
	Drive End Air Seal	Opposite Drive End Air Seal	
94.	Shaft Repair Sign-off		
Mechanical Fits- Bearing Housings - Post Repair			
95.	Drive End - Endbell Bearing Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
96.	Opposite Drive End - Endbell Bearing Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
97.	Bearing Cap Condition Post Repair		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap	
98.	End Bell Air Seal Fits Post Repair		
	Drive End Air Seal	Opposite Drive End Air Seal	
99.	DE Sleeve Bearing Inside ID Post Repair		
	Measure 1	Measure 2	Measure 3
100.	DE Sleeve Bearing Outside ID Post Repair		
	Measure 1	Measure 2	Measure 3
101.	DE Sleeve Bearing Inside OD Post Repair		
	Measure 1	Measure 2	Measure 3

102. DE Sleeve Bearing Outside OD Post Repair

Measure 1

Measure 2

Measure 3

103. End Bell Repair Sign-off

104. ODE Sleeve Bearing Inside ID Post Repair

Measure 1

Measure 2

Measure 3

105. ODE Sleeve Bearing Outside ID Post Repair

Measure 1

Measure 2

Measure 3

106. ODE Sleeve Bearing Inside OD Post Repair

Measure 1

Measure 2

Measure 3

107. ODE Sleeve Bearing Outside OD Post Repair

Measure 1

Measure 2

Measure 3

Assembly



108. QC Check All Parts for Cleanliness Prior to Assembly

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109. Photograph All Major Components prior to assembly

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110. Final Insulation Resistance Test	1,300 Megohms		
111. Assembled Shaft Endplay	0 inches		
112. Assembled Shaft Runout	inches		
113. Test Run Voltage			
Volts	Volts	Volts	P55
			
114. Test Run Amperage			
Amps	Amps	Amps	

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115. Drive End Vibration Readings - Inches Per Second			
Horizontal	Vertical	Axial	
116. Opposite Drive End Vibration Readings - Inches Per Second			
Horizontal	Vertical	Axial	
117. Ambient Temperature - Fahrenheit			
118. Drive End Bearing Temps - Fahrenheit			
5 Minutes	10 Minutes	15 Minutes	
119. Drive End Bearing Temps - Fahrenheit 20-30 Minutes			
20 Minutes	25 Minutes	30 Minutes	
120. Drive End Bearing Temps - Fahrenheit 35-45 Minutes			
35 Minutes	40 Minutes	45 Minutes	
121. Drive End Bearing Temps - Fahrenheit 50-60 Minutes			
50 Minutes	55 Minutes	60 Minutes	
122. Opposite Drive End Bearing Temps - Fahrenheit			
5 Minutes	10 Minutes	15 Minutes	
123. Opposite Drive End Bearing Temps - Fahrenheit 20-30 Minutes			
20 Minutes	25 Minutes	30 Minutes	
124. Opposite Drive End Bearing Temps - Fahrenheit 35-45 Minutes			
35 Minutes	40 Minutes	45 Minutes	
125. Opposite Drive End Bearing Temps - Fahrenheit 50-60 Minutes			
50 Minutes	55 Minutes	60 Minutes	
126. Stator Temperatures- Fahrenheit			
5 Minutes	10 Minutes	15 Minutes	
127. Stator Temperatures- Fahrenheit 20-30 Minutes			
20 Minutes	25 Minutes	30 Minutes	
128. Stator Temperatures- Fahrenheit 35-45 Minutes			
35 Minutes	40 Minutes	45 Minutes	
129. Stator Temperatures- Fahrenheit 50-60 Minutes			
50 Minutes	55 Minutes	60 Minutes	
130. Document Final Condition with Pictures after paint			
131. Final Pics and QC Review			
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[Handwritten signature]

Co sign: CW

