



AC Inspection as Found

Sage V Foods

5901 SLOAN DRIVE

LITTLE ROCK, AR 72206

FolderID: 104421

FormID: 24050547

AC Inspection - Rev. 2

Location: MOTOR SHOP LR

Serial Number: Z1512110311

Description: 20 HP BALDOR

Hi-Speed Job Number: 104421

Manufacturer: Baldor

Product Number: CAT#EM2334T

Serial Number: Z1512110311

HP/kW: 20 (HP)

RPM: 1765 (RPM)

Frame: 256T

Voltage: 230 / 460

Current: 48/24 (Amps)

Phase: Three

Hz: 60 (Hz)

Service Factor: 1.15

Enclosure: TEFC

of Leads: 9

J-box Included: Complete

Coupling/Sheave: None

Date Received: 04/08/2025

Bearing RTDs: No

Stator RTDs: No

Repair Stage: Final

Rewind: No

Shaft Machined Fit Repairs
Required: No

Bearing Housing Machined
Fit Repairs Required: No

Heaters: No

Winding Type : Random Wound

Bearing Type: Rolling Element

Priorities Found: 1 - High

20 - Good

Overall Condition



1. Report Date

04/21/2025

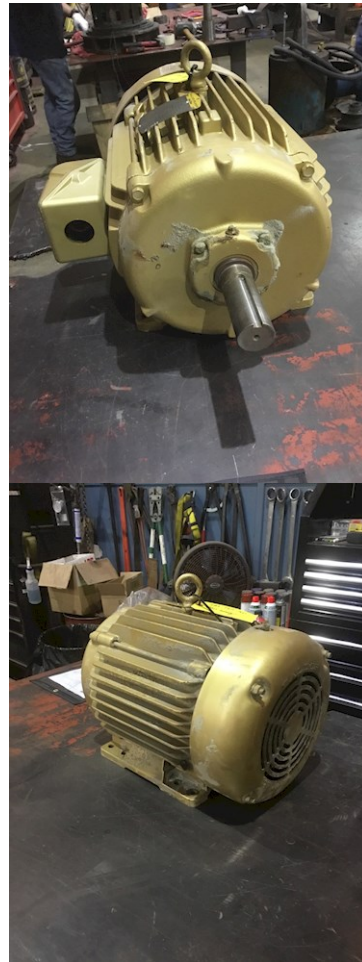
2. Nameplate Picture

P37



3. Photos of all six sides of the machine.


P45



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4.	Describe the Overall Condition of the Equipment as Received	
	<i>Dirty</i>	
5.	Is this a UL Listed Motor	(No) No
6.	Is the motor water cooled or can be pressure checked before teardown	(No) No
Initial Mechanical/Electrical		
7.	Does Shaft Turn Freely?	(Y) Yes
8.	Does the shaft require T.I.R in Lathe to identify additional repairs?	(No) No
9.	Does Shaft Have Visible Damage?	(No) No
10.	Assembled Shaft Runout	0.001 Inches
11.	Assembled Shaft End Play	inches
12.	Air Gap Variation <10%	

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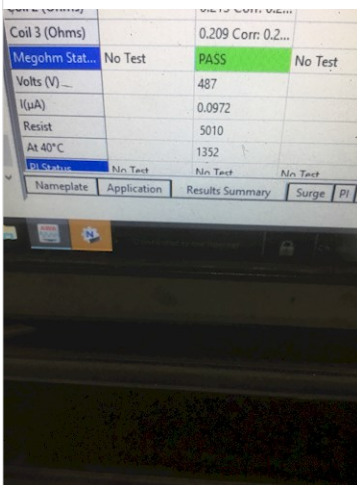


14. Lead Length	12 Inches
15. Does it have Lugs?, If so what is the Stud Size?	(No) No
16. Lead Numbers	1-9
17. Are the Leads insulated with Chico or other material	(No) No
18. Frame Condition	
19. Fan Condition	(P) Pass
20. Does motor have internal fan?	(No) No
21. Broken or Missing Components	

Initial Electrical Inspection



22. Insulation Resistance/Megger	Megohms	P8
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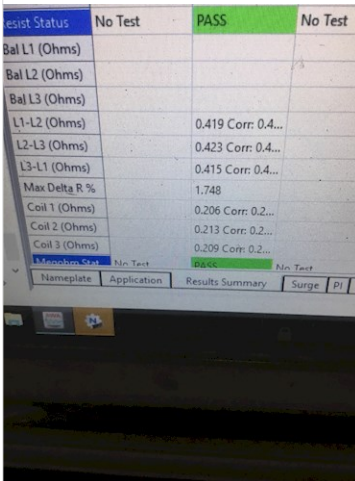
23. Winding Resistance

P20

1-2

1-3

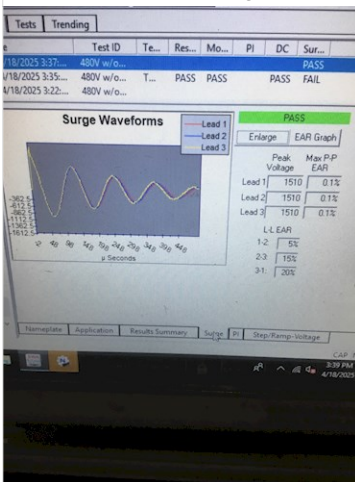
2-3



24. Perform Surge Test

(P) Pass

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25. Number of Stator Slots

48

26. Stator Condition

27. Stator Thermistors/Ohms

28. Stator Overloads/Ohms

Mechanical Inspection



29. Drive End Bearing Brand

SKF

30. Drive End Bearing Number-

6309

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
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31.	Drive End Bearing Qty.	1	
32.	Drive End Bearing Type	(Ball) Ball Bearing	
33.	Drive End Lubrication Type	(Grease) Grease Lubricated	
34.	Drive End Bearing Insulation or Grounding Device?		
35.	Drive End Wavy Washer/Snap-Ring Other Retention Device?		
36.	Drive End Bearing Condition		P83
			
37.	Opposite Drive End Bearing Brand	FAG	
38.	Opposite Drive End Bearing Number-	6208	P101
			
39.	Opposite Drive End Bearing Qty.	1	
40.	Opposite Drive End Bearing Type	(Ball) Ball Bearing	
41.	Opposite Drive End Lubrication Type	(Grease) Grease Lubricated	
42.	Opposite Drive End Bearing Insulation or Grounding Device?		
43.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	wavy washer	
44.	Opposite Drive End Bearing Condition		P120
			

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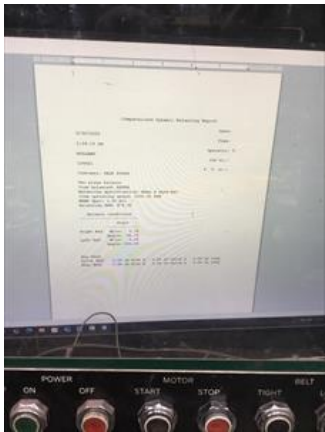


45.	Drive End Seal	
	<i>Slinger</i>	
46.	Opposite Drive End Seal	
Rotor Inspection		
47.	Rotor Type/Material	(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast
48.	Growler Test	(Pass) Pass
49.	Number of Rotor Bars	40
50.	Rotor Condition	
51.	List the Parts needed for the Repair Below 6309 6208 New leads Aegis ring: 2.2272	
52.	Signature of Technician that Disassembled Motor	Cw
		
Mechanical Fits- Rotor		
53.	Shaft Runout	inches
54.	Rotor Runout	
	Drive End Bearing Fit	Rotor Body
		Opposite Drive End Bearing
55.	Coupling Fit Closest to Bearing Housing	
	0 Degrees	90 Degrees
		120 Degrees
56.	Coupling Fit Closest to the end of the Shaft	
	0 Degrees	60 Degrees
		120 Degrees
57.	Drive End Bearing Shaft Fit	
	0 Degrees	60 Degrees
		120 Degrees
	<i>1.7720-1.7721-1.7721</i>	
58.	Drive End Bearing Shaft Fit Condition	(P) Pass

59.	Opposite Drive End Bearing Shaft Fit		
	0 Degrees	60 Degrees	120 Degrees
	<div> <div></div> 1.5748-1.5750-1.5750 </div>		
60.	Opposite Drive End Bearing Shaft Fit Condition		(P) Pass
61.	Shaft Air Seal Fits		
	Drive End Air Seal	Opposite Drive End Air Seal	
Mechanical Fits- Bearing Housings			
62.	Drive End - Endbell Bearing Fit		
	0 Degrees	60 Degrees	120 Degrees
	<div> <div></div> 3.9374-3.9375-3.9375 </div>		
63.	Drive End - Endbell Bearing Fit Condition		(P) Pass
64.	Opposite Drive End - Endbell Bearing Fit		
	0 Degrees	60 Degrees	120 Degrees
	<div> <div></div> 3.1497-3.1498-3.1498 </div>		
65.	Opposite Drive End - Endbell Bearing Fit Condition		(P) Pass
66.	Bearing Cap Condition		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap	
67.	End Bell Air Seal Fits		
	Drive End Air Seal	Opposite Drive End Air Seal	
68.	List Machine Work Needed Below		
69.	Technician		Cw
			
	<div> <div></div> Co sign: DM </div>		
Root Cause of Failure			
70.	Failure locations <i>Bearings and lead connections</i>		
71.	Root cause of failure <i>Loose connection and fluting</i>		
Dynamic Balance Report 			
72.	Rotor Weight and Balance Grade		
	Rotor Weight	Balance Grade	

73. Initial Balance Readings

Drive End	Opposite Drive End
.74	.53



74. Final Balance Readings

Drive End	Opposite Drive End
.74	.53

75. Technician

Terrence Holland

[Handwritten signature of Terrence Holland]

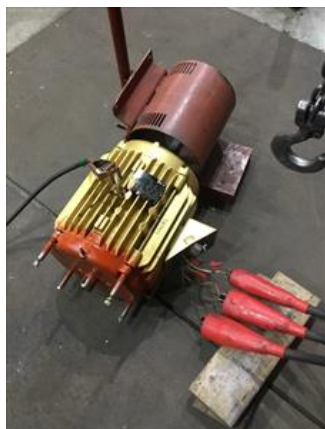
Assembly



76. QC Check All Parts for Cleanliness Prior to Assembly

Terrence Holland

[Handwritten signature of Terrence Holland]





79. Assembled Shaft Endplay **0 inches**

80. Assembled Shaft Runout **0.001 inches**

81. Test Run Voltage

P55

Volts

Volts

Volts



82. Test Run Amperage

Amps

Amps

Amps

10.1

9.5

9.4

83. Drive End Vibration Readings - Inches Per Second

Horizontal

Vertical

Axial

0.04

0.01

0.04

84. Opposite Drive End Vibration Readings - Inches Per Second

Horizontal

Vertical

Axial

0.04

0.03

0.05

85. Ambient Temperature - Fahrenheit

86. Drive End Bearing Temps - Fahrenheit

5 Minutes

10 Minutes

15 Minutes

87. Opposite Drive End Bearing Temps - Fahrenheit

5 Minutes

10 Minutes

15 Minutes

88. Document Final Condition with Pictures after paint

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89. Final Pics and QC Review

Terrence Holland

Co witness: RRW