



## AC Recondition As Found

Sage V Foods

5901 SLOAN DRIVE

LITTLE ROCK, AR 72206

FolderID: 99937  
FormID: 13860403

### AC Recondition - Rev. 2

Location: MOTOR SHOP LR

Serial Number: F1107276584

Description: 2.5HP BALDOR 1200RPM 213Z

Hi-Speed Job Number: 99937

Manufacturer: Baldor

Product Number: 07J015W332G1

Spec/ID #: 07J015W332G1

Serial Number: F1107276584

HP/kW: 2.5 (HP)

RPM: 1120 (RPM)

Frame: 213Z

Voltage: 230 / 460

Current: 10.5/5.1

Phase: Three

Hz: 60 (Hz)

Service Factor: 1.00

Enclosure: TENV

J-box Included: None

Coupling/Sheave: None

Date Received: 06/16/2022

Bearing RTDs: No

Stator RTDs: No

Repair Stage: Teardown Inspection

Heaters: No

Winding Type : Random Wound

Bearing Type: Rolling Element

Priorities Found: ● 1 - High ● 3 - Good

### Overall Condition



1. Report Date



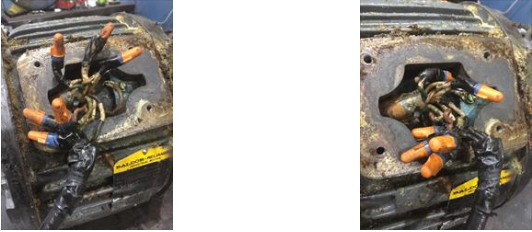


## 3. Describe the Overall Condition of the Equipment as Received

*Dirty but good*






## Initial Mechanical/Electrical



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4.	Does Shaft Turn Freely?	(Yes) Yes	
5.	Does Shaft Have Visible Damage?	(No) No	
6.	Assembled Shaft Runout		
7.	Assembled Shaft End Play		
8.	Air Gap Variation <10%		
9.	Lead Condition	(F) Fail	P31
	Insulation cracked/brittle		
			
10.	Lead Length	36 Inches	
11.	Frame Condition	pass	
12.	Fan Condition	(N) NA	
13.	Broken or Missing Components		
<b>Initial Electrical Inspection</b>			
14.	Insulation Resistance/Megger		
15.	Winding Resistance		
	1-2	1-3	2-3
16.	Perform Surge Test	(NA) Not Applicable	
	Lead wire insulation cracked and broken in multiple places.		
17.	Stator Condition	good	
<b>Mechanical Inspection</b>			
18.	Drive End Bearing Number-	22313-E1A-XL-MA-T41A	P8
			
19.	Drive End Bearing Qty.	1	
20.	Drive End Bearing Type	(Spherical) Spherical Roller Bearing	P20
			
21.	Drive End Lubrication Type	(Grease) Grease Lubricated	
22.	Drive End Bearing Insulation or Grounding Device?	none	

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23.	Drive End Wavy Washer/Snap-Ring Other Retention Device?	none	
24.	Drive End Bearing Condition	grease contaminated	P41
			
25.	Opposite Drive End Bearing Number-	NU 311-E-XL-TVP2-C3	P46
			
26.	Opposite Drive End Bearing Qty.	1	
27.	Opposite Drive End Bearing Type	(Roller) Roller Bearing	P49
			
28.	Opposite Drive End Lubrication Type	(Grease) Grease Lubricated	
29.	Opposite Drive End Bearing Insulation or Grounding Device?	none	
30.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	none	
31.	Opposite Drive End Bearing Condition	grease contaminated	P55
			
32.	Drive End Seal		
33.	Opposite Drive End Seal		
<b>Rotor Inspection</b>			



35. Growler Test (Pass) Pass

36. Number of Rotor Bars

37. Rotor Condition good

38. List the Parts needed for the Repair Below

39. Signature of Technician that Disassembled Motor

**Mechanical Fits- Rotor**

40. Shaft Runout 0.002 inches

41. Rotor Runout

Drive End Bearing Fit

Rotor Body

Opposite Drive End Bearing

42. Coupling Fit Closest to Bearing Housing

0 Degrees

90 Degrees

120 Degrees

43. Coupling Fit Closest to the end of the Shaft

0 Degrees

60 Degrees

120 Degrees

44. Drive End Bearing Shaft Fit

0 Degrees

60 Degrees

120 Degrees

2.558

2.558

2.558

45. Drive End Bearing Shaft Fit Condition

46. Opposite Drive End Bearing Shaft Fit

0 Degrees

60 Degrees

120 Degrees

2.1646

2.1645

2.1645

47. Opposite Drive End Bearing Shaft Fit Condition (P) Pass

48. Shaft Air Seal Fits

Drive End Air Seal

Opposite Drive End Air Seal

**Mechanical Fits- Bearing Housings**

49. Drive End - Endbell Bearing Fit

0 Degrees

60 Degrees

120 Degrees

50. Drive End - Endbell Bearing Fit Condition

51. Opposite Drive End - Endbell Bearing Fit

0 Degrees

60 Degrees

120 Degrees

52. Opposite Drive End - Endbell Bearing Fit Condition

53. Bearing Cap Condition

P29

Drive End Bearing Cap

Opposite Drive End Bearing Cap

Good



54. End Bell Air Seal Fits

Drive End Air Seal

Opposite Drive End Air Seal

55. List Machine Work Needed Below

*Seal surface repair on both ends of shaft for end caps*

56. Technician

Terrence. Holland



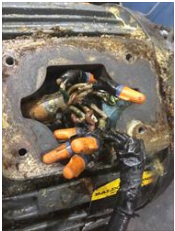
#### Root Cause of Failure



57. Failure locations

P6

*Winding leads insulation cracked and brittle showing exposed wire in multiple locations.*



58. Root cause of failure

*Lead wire insulation bad.*