



**KEEPING YOUR FACILITY UP TO SPEED**  
— EVERY DAY SINCE 1946 —

LR Motor Shop Repairs

**Job Number 103695**

Prepared for Sage V Foods

5901 SLOAN DRIVE  
LITTLE ROCK AR 72206

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AC Inspection as Found - *MOTOR SHOP LR*

AC Inspection - Rev. 2: 221869656

1.0

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Hi-Speed Industrial Service  
7030 Ryburn Dr  
Millington, Tn 38053  
901-873-5300

## AC Inspection as Found

**Sage V Foods**  
5901 SLOAN DRIVE  
LITTLE ROCK, AR 72206

FolderID: 103695  
FormID: 22106493

### AC Inspection - Rev. 2

**Location:** MOTOR SHOP LR  
**Serial Number:** 221869656  
**Description:** .69HP MIDWESTERN 1200RPM

<b>Hi-Speed Job Number:</b>	103695
<b>Manufacturer:</b>	Other
<b>Product Number:</b>	M: MVB12-1000
<b>Spec/ID #:</b>	SERIES: AA
<b>Serial Number:</b>	221869656
<b>HP/kW:</b>	.69 (HP)
<b>RPM:</b>	1200 (RPM)
<b>Voltage:</b>	230 / 460
<b>Phase:</b>	Three
<b>Hz:</b>	60 (Hz)
<b># of Leads:</b>	6
<b>J-box Included:</b>	Complete
<b>Coupling/Sheave:</b>	None
<b>Bearing RTDs:</b>	No
<b>Stator RTDs:</b>	No
<b>Repair Stage:</b>	Final
<b>Rewind:</b>	No
<b>Shaft Machined Fit Repairs Required:</b>	No
<b>Bearing Housing Machined Fit Repairs Required:</b>	No
<b>Heaters:</b>	No
<b>Winding Type :</b>	Random Wound
<b>Bearing Type:</b>	Rolling Element

Priorities Found: ● 1 - High ● 8 - Good

### Overall Condition

1. Report Date	11/04/2024
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## 2. Nameplate Picture



## 3. Photos of all six sides of the machine.





4. Describe the Overall Condition of the Equipment as Received

*Serviceable*

#### Initial Mechanical/Electrical

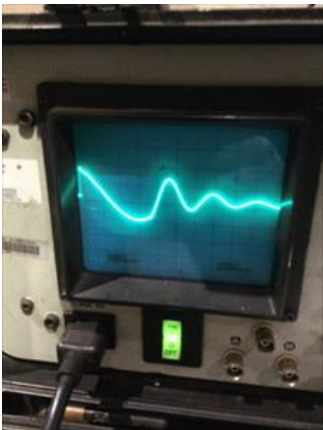
5.	Does Shaft Turn Freely?	(Y) Yes
6.	Does the shaft require T.I.R in Lathe to identify additional repairs?	(No) No
7.	Does Shaft Have Visible Damage?	(No) No
8.	Assembled Shaft Runout	Inches
9.	Assembled Shaft End Play	inches
10.	Air Gap Variation <10%	

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● 11. Lead Condition	(F) Fail
■ #16 C7 36" long	



12. Lead Length	36 Inches
● 13. Does it have Lugs?, If so what is the Stud Size?	(No) No
14. Lead Numbers	1-6
15. Frame Condition	pass
16. Fan Condition	(N) NA
17. Broken or Missing Components	none
<b>Initial Electrical Inspection</b>	
18. Insulation Resistance/Megger	Megohms
■ Pass	
19. Winding Resistance	
1-2	1-3 2-3
● 20. Perform Surge Test	(P) Pass

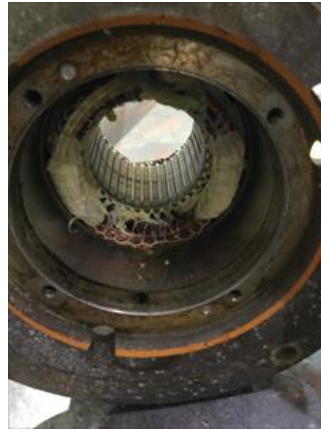


21. Number of Stator Slots	36
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22. Stator Condition

wash and bake



23. Stator Thermistors/Ohms

Na

24. Stator Overloads/Ohms

Na

### Mechanical Inspection

25. Drive End Bearing Brand

SKF

26. Drive End Bearing Number-

2208 EC



27. Drive End Bearing Qty.

1

28. Drive End Bearing Type

(Roller) Roller Bearing

29. Drive End Lubrication Type

(Grease) Grease Lubricated

30. Drive End Bearing Insulation or Grounding Device?

NA

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

na

32. Drive End Bearing Condition

normal wear

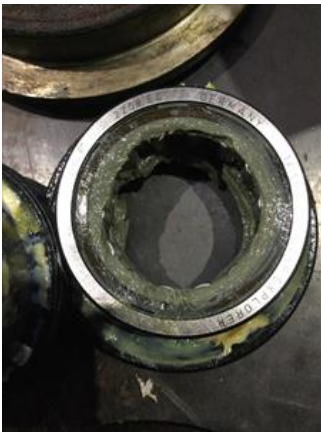


33. Opposite Drive End Bearing Brand

SKF

34. Opposite Drive End Bearing Number-

2208 EC



35. Opposite Drive End Bearing Qty.

1

36. Opposite Drive End Bearing Type

(Roller) Roller Bearing

37. Opposite Drive End Lubrication Type

(Grease) Grease Lubricated

38. Opposite Drive End Bearing Insulation or Grounding Device?

na

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

na

40. Opposite Drive End Bearing Condition

normal wear



41. Drive End Seal

pass

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42. Opposite Drive End Seal	pass
<b>Rotor Inspection</b>	
43. Rotor Type/Material	(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast



44. Growler Test	(Pass) Pass
45. Number of Rotor Bars	45
46. Rotor Condition	wash
47. List the Parts needed for the Repair Below <i>2-NJ 2208 EC ROLLER BEARINGS</i>	
48. Signature of Technician that Disassembled Motor	RW

Mechanical Fits- Rotor			
49.	Shaft Runout		inches
50.	Rotor Runout		
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing
51.	Coupling Fit Closest to Bearing Housing		
	0 Degrees	90 Degrees	120 Degrees
52.	Coupling Fit Closest to the end of the Shaft		
	0 Degrees	60 Degrees	120 Degrees
53.	Drive End Bearing Shaft Fit		
	0 Degrees	60 Degrees	120 Degrees
	1.5757	1.5757	1.5757

54. Drive End Bearing Shaft Fit Condition

(P) Pass



55. Opposite Drive End Bearing Shaft Fit

0 Degrees

60 Degrees

120 Degrees

1.5757

1.5757

1.5757

56. Opposite Drive End Bearing Shaft Fit Condition

(P) Pass



57. Shaft Air Seal Fits

Drive End Air Seal

Opposite Drive End Air Seal

pass

**Mechanical Fits- Bearing Housings**

58. Drive End - Endbell Bearing Fit

0 Degrees

60 Degrees

120 Degrees

3.15

3.15

3.15

59. Drive End - Endbell Bearing Fit Condition

(P) Pass



60. Opposite Drive End - Endbell Bearing Fit

0 Degrees

60 Degrees

120 Degrees

3.1501

3.1501

3.1501

61. Opposite Drive End - Endbell Bearing Fit Condition

(P) Pass



62. Bearing Cap Condition

Drive End Bearing Cap

Opposite Drive End Bearing Cap

pass

63. End Bell Air Seal Fits

Drive End Air Seal

Opposite Drive End Air Seal

pass

64. List Machine Work Needed Below

None

65. Technician

RW



Co sign TRH

### Root Cause of Failure

66. Failure locations

Power cord bearings

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67. Root cause of failure			
<i>Power cord needs replaced bearings over greased</i>			
<b>Dynamic Balance Report</b>			
68. Rotor Weight and Balance Grade			
Rotor Weight		Balance Grade	
69. Initial Balance Readings			
Drive End		Opposite Drive End	
70. Final Balance Readings			
Drive End		Opposite Drive End	
71. Technician			
<b>Assembly</b>			
72. QC Check All Parts for Cleanliness Prior to Assembly			
73. Photograph All Major Components prior to assembly			
74. Final Insulation Resistance Test			
75. Assembled Shaft Endplay			
76. Assembled Shaft Runout			
77. Test Run Voltage			
Volts	Volts	Volts	
78. Test Run Amperage			
Amps	Amps	Amps	
79. Drive End Vibration Readings - Inches Per Second			
Horizontal	Vertical	Axial	
80. Opposite Drive End Vibration Readings - Inches Per Second			
Horizontal	Vertical	Axial	
81. Ambient Temperature - Fahrenheit			
82. Drive End Bearing Temps - Fahrenheit			
5 Minutes	10 Minutes	15 Minutes	
83. Opposite Drive End Bearing Temps - Fahrenheit			
5 Minutes	10 Minutes	15 Minutes	
84. Document Final Condition with Pictures after paint			
85. Final Pics and QC Review			



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5. **DELIVERY OF GOODS AND/OR SERVICES.** Unless otherwise identified in the quotation, all shipments are F.O.B. Hi-Speed's warehouse and the title to and all risk of loss with respect to any goods shipped shall pass to Buyer when such goods are delivered to the carrier at Hi-Speed's warehouse. Hi-Speed will use its best efforts to affect delivery by the date or dates specified in the quotation. However, Hi-Speed shall not be liable for delay in or failure to make shipment, or to perform services, by any identified date for any reason whatsoever, including but not limited to, causes beyond its reasonable control, such as strikes, fires, floods, epidemics, quarantines, restrictions, severe weather, embargos, acts of God, or public enemy, war, riot, delays in transportation or the inability to obtain necessary labor, materials or manufacturing facilities.
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