



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

LR Motor Shop Repairs

**Job Number 104742**

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: *CAT#UJ20P2DM*

**1.0**

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*Printed on 6/17/2025*

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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: 104742  
FormID: 24764926

### AC Inspection - Rev. 2

**Location:** MOTOR SHOP LR  
**Serial Number:** CAT#UJ20P2DM  
**Description:** 60 HP NIDEC MR W PUMP

<b>Hi-Speed Job Number:</b>	104742
<b>Manufacturer:</b>	Other
<b>Product Number:</b>	FK51
<b>Spec/ID #:</b>	B087745544-0056M0004
<b>Serial Number:</b>	CAT#UJ20P2DM
<b>HP/kW:</b>	60 (HP)
<b>RPM:</b>	1770 (RPM)
<b>Frame:</b>	256JM
<b>Voltage:</b>	208-230/460
<b>Current:</b>	47/23 (Amps)
<b>Phase:</b>	Three
<b>Hz:</b>	60 (Hz)
<b>Service Factor:</b>	1.25
<b>Enclosure:</b>	TEFC
<b># of Leads:</b>	12
<b>J-box Included:</b>	Complete
<b>Coupling/Sheave:</b>	Propeller
<b>Bearing RTDs:</b>	No
<b>Stator RTDs:</b>	No
<b>Repair Stage:</b>	Teardown Inspection
<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 ● 13 - Good

### Overall Condition

1. Report Date	06/17/2025
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## 2. Nameplate Picture



3. Photos of all six sides of the machine.



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4. Describe the Overall Condition of the Equipment as Received	
<i>Serviceable</i>	
5. Distance from the end of the shaft to the Coupling/Sheave	inches
<input checked="" type="radio"/> 6. Is this a UL Listed Motor	(No) No
<input checked="" type="radio"/> 7. Is the motor water cooled or can be pressure checked before teardown	(No) No
<b>Initial Mechanical/Electrical</b>	
<input checked="" type="radio"/> 8. Does Shaft Turn Freely?	(Y) Yes
<input checked="" type="radio"/> 9. Does the shaft require T.I.R in Lathe to identify additional repairs?	(No) No
10. Does Shaft Have Visible Damage?	(No) No

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11. Assembled Shaft Runout	Inches
12. Assembled Shaft End Play	inches
13. Air Gap Variation <10%	
14. Lead Condition	(P) Pass
15. Lead Length	16 Inches



16. Does it have Lugs?, If so what is the Stud Size?	(No) No
17. Lead Numbers	1-12
18. Are the Leads insulated with Chico or other material	(No) No
19. Frame Condition	pass
20. Fan Condition	(P) Pass

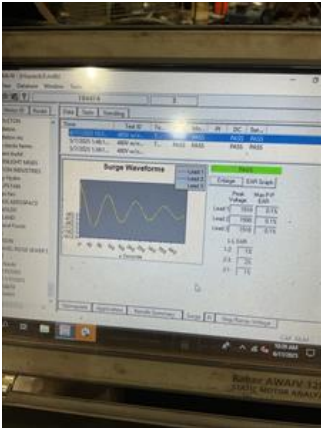


21. Does motor have internal fan?	(No) No	
22. Broken or Missing Components	NA	
Initial Electrical Inspection		
23. Insulation Resistance/Megger	3238 Megohms	
24. Winding Resistance		
1-2	1-3	2-3
0.451	0.451	0.453

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25. Perform Surge Test

(P) Pass

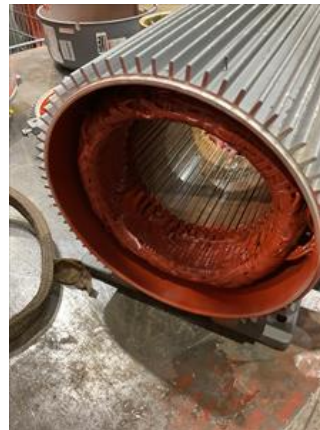


26. Number of Stator Slots

48

27. Stator Condition

wash and dry



28. Stator Thermistors/Ohms

na

29. Stator Overloads/Ohms

na

### Mechanical Inspection

30. Drive End Bearing Brand

FAG

31. Drive End Bearing Number-

6310 ZZ C3



32. Drive End Bearing Qty.

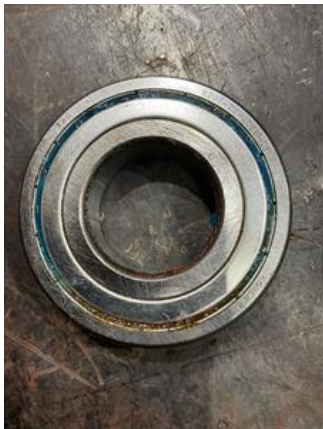
1

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33. Drive End Bearing Type	<b>(Ball) Ball Bearing</b>
34. Drive End Lubrication Type	<b>(Grease) Grease Lubricated</b>
35. Drive End Bearing Insulation or Grounding Device?	<b>Na</b>
36. Drive End Wavy Washer/Snap-Ring Other Retention Device?	<b>NA</b>
37. Drive End Bearing Condition	<b>water contamination and metal fatigue</b>



38. Opposite Drive End Bearing Brand	<b>FAG</b>
39. Opposite Drive End Bearing Number-	<b>6207 ZZ C3</b>



40. Opposite Drive End Bearing Qty.	<b>1</b>
41. Opposite Drive End Bearing Type	<b>(Ball) Ball Bearing</b>
42. Opposite Drive End Lubrication Type	<b>(Grease) Grease Lubricated</b>
43. Opposite Drive End Bearing Insulation or Grounding Device?	<b>NA</b>
44. Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	<b>Wavy washer</b>
45. Opposite Drive End Bearing Condition	<b>the start of frosting</b>





46. Drive End Seal

carbon ceramic

Shaft 1.500 seat 2.136



47. Opposite Drive End Seal

NA

### Rotor Inspection

48. Rotor Type/Material

(Squirrel Aluminum) Squirrel  
Cage Aluminum Die Cast



49. Growler Test

(Pass) Pass

50. Number of Rotor Bars

40

51. Rotor Condition

pass

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52. List the Parts needed for the Repair Below

1-6310ZZ C3 BEARING

2-6207ZZ C3 BEARING

53. Signature of Technician that Disassembled Motor

RW



### Mechanical Fits- Rotor

54. Shaft Runout

0 inches

55. Rotor Runout

Drive End Bearing Fit

Rotor Body

Opposite Drive End Bearing

56. Coupling Fit Closest to Bearing Housing

0 Degrees

90 Degrees

120 Degrees

57. Coupling Fit Closest to the end of the Shaft

0 Degrees

60 Degrees

120 Degrees

58. Drive End Bearing Shaft Fit

0 Degrees

60 Degrees

120 Degrees

1.9688

1.9688

1.9688

59. Drive End Bearing Shaft Fit Condition

(P) Pass



60. Opposite Drive End Bearing Shaft Fit

0 Degrees

60 Degrees

120 Degrees

1.3785

1.3785

1.3785

61. Opposite Drive End Bearing Shaft Fit Condition

(P) Pass



62. Shaft Air Seal Fits

Drive End Air Seal

Opposite Drive End Air Seal

Pass

### Mechanical Fits- Bearing Housings

63. Drive End - Endbell Bearing Fit

0 Degrees

60 Degrees

120 Degrees

4.3311

4.3311

4.3311

64. Drive End - Endbell Bearing Fit Condition

(P) Pass



65. Opposite Drive End - Endbell Bearing Fit

0 Degrees

60 Degrees

120 Degrees

2.8353

2.8353

2.8353



67. Bearing Cap Condition

Drive End Bearing Cap

Opposite Drive End Bearing Cap

**pass**

68. End Bell Air Seal Fits

Drive End Air Seal

Opposite Drive End Air Seal

**pass**

69. List Machine Work Needed Below

*None*

70. Technician

**RW** Co sign: CRW**Root Cause of Failure**

71. Failure locations

*Pump seal failed and leaked water in to the motor and bearings*

72. Root cause of failure

*Seal leaking causing bearing failure*



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