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: 104819
FormID: 24981621

AC Inspection - Rev. 2

Location:	MOTOR SHOP LR
Serial Number:	1475951-134
Description:	.90 KW BECKER

Hi-Speed Job Number:	104819
Manufacturer:	Other
Product Number:	IEC60034
Spec/ID #:	41784407275114 IL
Serial Number:	1475951-134
HP/kW:	.90 (kW)
RPM:	1745 (RPM)
Voltage:	230 / 460
Current:	3.6/1.8 (Amps)
Phase:	Three
Hz:	60 (Hz)
Enclosure:	TE
# of Leads:	9
J-box Included:	Complete
Coupling/Sheave:	None
Date Received:	07/14/2025
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** **11 - Good**

Overall Condition

1.	Report Date	**07/14/2025**

2. Nameplate Picture P38

3. Photos of all six sides of the machine. P46






	4.	Describe the Overall Condition of the Equipment as Received ***Acceptable***	
	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?	**(N) No**
	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 Inches**
	11.	Assembled Shaft End Play	**inches**
		None	

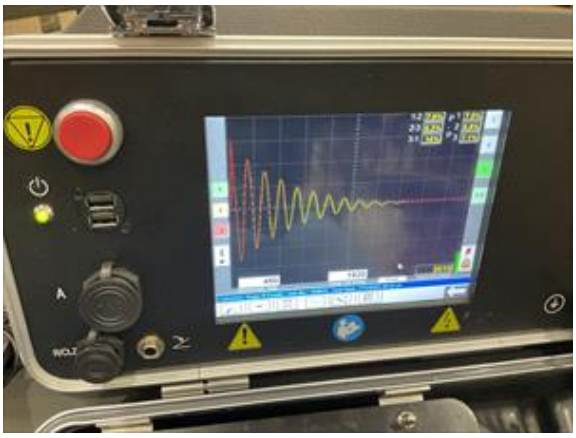
12.	Air Gap Variation <10%		
13.	Lead Condition		**(P) Pass**
14.	Lead Length		**Inches**
	6"		
15.	Does it have Lugs?, If so what is the Stud Size?		**(YES) YES**
16.	Lead Numbers		**1-9**
17.	Are the Leads insulated with Chico or other material		**(NO) NO**
18.	Frame Condition		**Dirty**
19.	Fan Condition		**(P) Pass**
20.	Does motor have internal fan?		**(NO) NO**
21.	Broken or Missing Components		
	None		

Initial Electrical Inspection

22.	Insulation Resistance/Megger		**34945 Megohms**
23.	Winding Resistance		

1-2	1-3	2-3
1-2 10.877	**1-3 10.845**	**2-3 10.876**

24.	Perform Surge Test		**(P) Pass** P57



25.	Number of Stator Slots		**36**
26.	Stator Condition		
27.	Stator Thermistors/Ohms		
28.	Stator Overloads/Ohms		
	.1		

Mechanical Inspection

29.	Drive End Bearing Brand		**NTN**
30.	Drive End Bearing Number-		**6207LUA**
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		P82

37.	Opposite Drive End Bearing Brand	**SKF**
38.	Opposite Drive End Bearing Number-	**6205zz**
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?	P115

Flat washers

44.	Opposite Drive End Bearing Condition	P120

45.	Drive End Seal

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	**28**
50.	Rotor Condition	**acceptable**
51.	List the Parts needed for the Repair Below	

6207 2RS
6205 2RS
Filter 90950500
Pump Vanes 7971570 BG 21 BECKER WN 124-162
Wash and bake

52.	Signature of Technician that Disassembled Motor	**Donny Spears**

Mechanical Fits- Rotor

53.	Shaft Runout	**0 inches**
54.	Rotor Runout	

Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing

.00

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

1.3786

58.	Drive End Bearing Shaft Fit Condition		**(P) Pass**
59.	Opposite Drive End Bearing Shaft Fit		

0 Degrees	60 Degrees	120 Degrees

0.9844

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

2.8355

63. Drive End - Endbell Bearing Fit Condition **(P) Pass**

64. Opposite Drive End - Endbell Bearing Fit

0 Degrees	60 Degrees	120 Degrees
2.0479		

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

None

69. Technician **Donny Spears**

Root Cause of Failure

70. Failure locations

Pump end

71. Root cause of failure

Rust in pump end

Dynamic Balance Report

72. Rotor Weight and Balance Grade

Rotor Weight	Balance Grade

73. Initial Balance Readings

Drive End	Opposite Drive End

74. Final Balance Readings

Drive End	Opposite Drive End

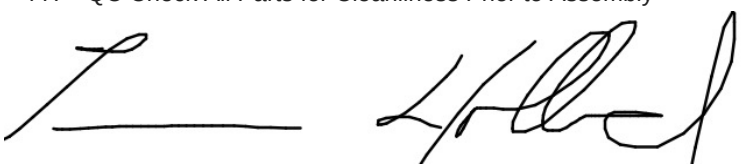
75. Technician

Rewind

76. THERMAL DETECTION EQUIPMENT FINAL TESTING - RTD'S/KLIXONS/THERMISTORS

Assembly

77. QC Check All Parts for Cleanliness Prior to Assembly **Terrence Holland**



78. Photograph All Major Components prior to assembly P20

79. Was a Insulated bearing or end bell tested? **(NA) Not Applicable**

80. Final Insulation Resistance Test **Megohms** P37

81.	Assembled Shaft Endplay		**0 inches**
82.	Assembled Shaft Runout		**0.001 inches**
83.	Test Run Voltage		P69

Volts	Volts	Volts
460	**458**	**462**

Witness: TLH

84.	Test Run Amperage	P77

Amps	Amps	Amps
1.3	**1.2**	**1.3**

85.	Motor RPM	**1790**

86. Drive End Vibration Readings - Inches Per Second

Horizontal	Vertical	Axial

87. Opposite Drive End Vibration Readings - Inches Per Second

Horizontal	Vertical	Axial

88. Ambient Temperature - Fahrenheit

89. Drive End Bearing Temps - Fahrenheit

5 Minutes	10 Minutes	15 Minutes

90. Opposite Drive End Bearing Temps - Fahrenheit

5 Minutes	10 Minutes	15 Minutes

91. Document Final Condition with Pictures after paint P139

92. Final Pics and QC Review **Terrence Holland**

See item above