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

AC Recondition As Found

Sage V Foods
5901 SLOAN DRIVE
LITTLE ROCK, AR 72206

FolderID: 99762
FormID: 13719618

AC Recondition - Rev. 2

Location:	MOTOR SHOP LR
Serial Number:	EFGT46663N-F4-8-08/20
Description:	0.5HP Sweco 1200RPM 143TZX Shaker

Hi-Speed Job Number:	99762
Manufacturer:	Other
Serial Number:	EFGT46663N-F4-8-08/20
HP/kW:	0.5 (HP)
RPM:	1160 (RPM)
Frame:	143TZX
Voltage:	460
Current:	1.45
Phase:	Three
Hz:	60 (Hz)
Service Factor:	1.0
Enclosure:	TENV
J-box Included:	Half
Coupling/Sheave:	None
Date Received:	05/05/2022
Bearing RTDs:	No
Stator RTDs:	No
Repair Stage:	Final
Heaters:	No
Winding Type :	Random Wound
Bearing Type:	Rolling Element

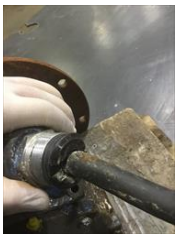
Overall Condition

1. Report Date

2. Nameplate Picture





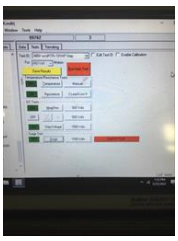











3. Describe the Overall Condition of the Equipment as Received

Initial Mechanical/Electrical

4. Does Shaft Turn Freely?
5. Does Shaft Have Visible Damage?
6. Assembled Shaft Runout
7. Assembled Shaft End Play
8. Air Gap Variation <10%
9. Lead Condition
10. Lead Length
11. Frame Condition

12.	Fan Condition		
13.	Broken or Missing Components		
Initial Electrical Inspection			
14.	Insulation Resistance/Megger		
15.	Winding Resistance		
	1-2	1-3	2-3
16.	Perform Surge Test		
17.	Stator Condition		
Mechanical Inspection			
18.	Drive End Bearing Number-		
19.	Drive End Bearing Qty.		
20.	Drive End Bearing Type		
21.	Drive End Lubrication Type		
22.	Drive End Bearing Insulation or Grounding Device?		
23.	Drive End Wavy Washer/Snap-Ring Other Retention Device?		
24.	Drive End Bearing Condition		
25.	Opposite Drive End Bearing Number-		
26.	Opposite Drive End Bearing Qty.		
27.	Opposite Drive End Bearing Type		
28.	Opposite Drive End Lubrication Type		
29.	Opposite Drive End Bearing Insulation or Grounding Device?		
30.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?		
31.	Opposite Drive End Bearing Condition		
32.	Drive End Seal		
33.	Opposite Drive End Seal		
Rotor Inspection			
34.	Rotor Type/Material		
35.	Growler Test		
36.	Number of Rotor Bars		
37.	Rotor Condition		
38.	List the Parts needed for the Repair Below		
39.	Signature of Technician that Disassembled Motor		
Mechanical Fits- Rotor			
40.	Shaft Runout		
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
45.	Drive End Bearing Shaft Fit Condition		

46. Opposite Drive End Bearing Shaft Fit

0 Degrees	60 Degrees	120 Degrees

47. Opposite Drive End Bearing Shaft Fit Condition

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

Drive End Bearing Cap	Opposite Drive End Bearing Cap

54. End Bell Air Seal Fits

Drive End Air Seal	Opposite Drive End Air Seal

55. List Machine Work Needed Below

56. Technician

Dynamic Balance Report

57. Rotor Weight and Balance Grade

Rotor Weight	Balance Grade

58. Initial Balance Readings

Drive End	Opposite Drive End

59. Final Balance Readings

Drive End	Opposite Drive End

60. Technician

Rewind

61. Core Test Results - Watts loss per Pound

Pre-Burnout	Post Burnout

62. Core Hot Spot Test

Pre-Burnout	Post-Burnout

63. Post Rewind Electrical Test- Insulation Resistance

64. Post Rewind Polarization Index

65. Post Rewind Winding Resistance

1-2	1-3	2-3

66.	Post Rewind Surge Test		
67.	Post Rewind Hi-Pot		
68.	Technician		
Root Cause of Failure			
69.	Failure locations		
70.	Root cause of failure		
Mechanical Fits- Rotor - Post Repair			
71.	Shaft Runout Post Repair		
72.	Rotor Runout Post Repair		
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing
73.	Coupling Fit Closest to Bearing Housing Post Repair		
	0 Degrees	90 Degrees	120 Degrees
74.	Coupling Fit Closest to the end of the Shaft Post Repair		
	0 Degrees	60 Degrees	120 Degrees
75.	Drive End Bearing Shaft Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
76.	Opposite Drive End Bearing Shaft Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
77.	Shaft Air Seal Fits Post Repair		
	Drive End Air Seal	Opposite Drive End Air Seal	
78.	Shaft Repair Sign-off		
Mechanical Fits- Bearing Housings - Post Repair			
79.	Drive End - Endbell Bearing Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
80.	Opposite Drive End - Endbell Bearing Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
81.	Bearing Cap Condition Post Repair		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap	
82.	End Bell Air Seal Fits Post Repair		
	Drive End Air Seal	Opposite Drive End Air Seal	
83.	End Bell Repair Sign-off		
Assembly			
84.	Photograph All Major Components prior to assembly		
85.	Final Insulation Resistance Test		
86.	Assembled Shaft Endplay		
87.	Assembled Shaft Runout		

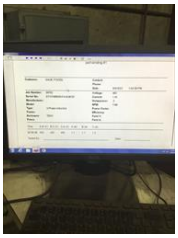
88.	Test Run Voltage		
	Volts	Volts	Volts
89.	Test Run Amperage		
	Amps	Amps	Amps
90.	Drive End Vibration Readings - Inches Per Second		
	Horizontal	Vertical	Axial
91.	Opposite Drive End Vibration Readings - Inches Per Second		
	Horizontal	Vertical	Axial
92.	Ambient Temperature - Fahrenheit		
93.	Drive End Bearing Temps - Fahrenheit		
	5 Minutes	10 Minutes	15 Minutes
94.	Opposite Drive End Bearing Temps - Fahrenheit		
	5 Minutes	10 Minutes	15 Minutes
95.	Final Test Run Sign-off		
96.	Document Final Condition with Pictures after paint		P2200









97. Final Pics and QC Review