

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

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FolderID: 100911 FormID: 15980346

AC Recondition As Found

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

AC Recondition - Rev. 2

MOTOR SHOP LR Location: Serial Number: EF5T46663N-F4-7-8/22

Description: 0.5HP SWECO 1200RPM 143TZX

Hi-Speed Job Number:	100911
Manufacturer:	US Motors/Nidec
Serial Number:	EF5T46663N-F4-7-8/22
HP/kW:	0.5 (HP)
RPM:	1160 (RPM)
Frame:	143TZX
Voltage:	460
Current:	1.45
Phase:	Three
Hz:	60 (Hz)
Service Factor:	1.00
Enclosure:	TENV
J-box Included:	Complete
Coupling/Sheave:	None
Bearing RTDs:	No
Stator RTDs:	No
Repair Stage:	Final
Heaters:	No
Winding Type :	Random Wound
Bearing Type:	Rolling Element

Priorities Found: 1 - High

2 - Good

Overall Condition

Report Date 1.

Nameplate Picture P37



Photos of all six sides of the machine. 3.

P44



















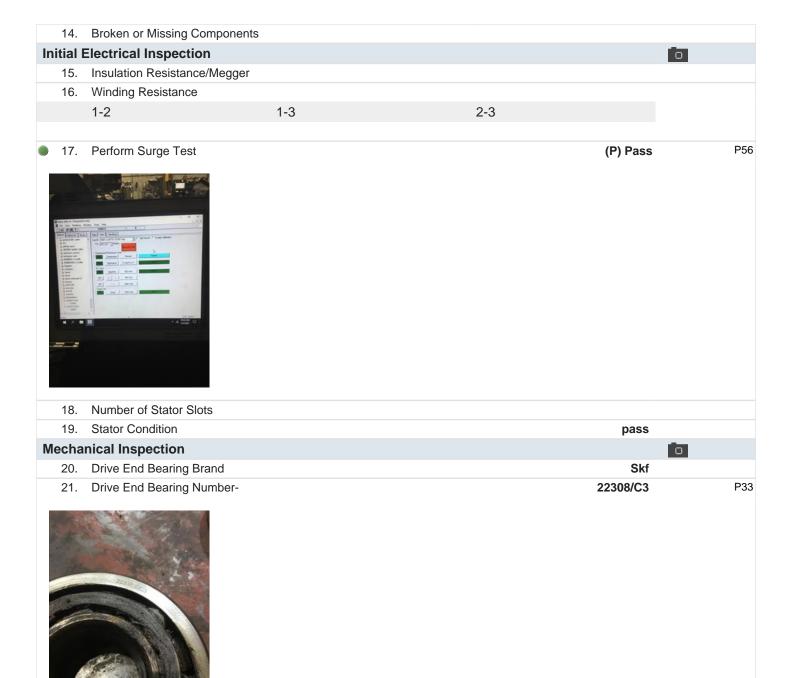






4. Describe the Overall Condition of the Equipment as Received

	Boothboard Orland Contained and Equipment do Nocontod			
In	Initial Mechanical/Electrical			
	5.	Does Shaft Turn Freely?	(No) No	
	6.	Does Shaft Have Visible Damage?	(No) No	
	7.	Assembled Shaft Runout		
	8.	Assembled Shaft End Play		
	9.	Air Gap Variation <10%		
	10.	Lead Condition		
	11.	Lead Length		
	12.	Frame Condition		
	13.	Fan Condition	(N) NA	







24.	Drive End Lubrication Type	(Grease) Grease Lubricated	
25.	Drive End Bearing Insulation or Grounding Device?	none	
26.	Drive End Wavy Washer/Snap-Ring Other Retention Device?	snap ring	
27.	Drive End Bearing Condition	destroyed	
28.	Opposite Drive End Bearing Brand	SKF	
29.	Opposite Drive End Bearing Number-	NU 307 ECP/c3	P85



30.	Opposite Drive End Bearing Qty.	1	
31.	Opposite Drive End Bearing Type	(Roller) Roller Bearing	
32.	Opposite Drive End Lubrication Type	(Grease) Grease Lubricated	
33.	Opposite Drive End Bearing Insulation or Grounding Device?	none	
34.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	snap ring	
35.	Opposite Drive End Bearing Condition	replace	
36.	Drive End Seal	National 340853. S-3188	P97



37. Opposite Drive End Seal

National 340853. S-3188

P98



Rotor Inspection

0

38. Rotor Type/Material

(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast P3



- 39. Growler Test
- 40. Number of Rotor Bars
- 41. Rotor Condition pass
- 42. List the Parts needed for the Repair Below

43. Signature of Technician that Disassembled Motor

Terrence Holland

M	Mechanical Fits- Rotor				
	44.	Shaft Runout			
	45.	Rotor Runout			
		Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing	
		•	·	•	
	46.	Coupling Fit Closest to Bearing Housing			
		0 Degrees	90 Degrees	120 Degrees	
	47.	Coupling Fit Closest to the end of	the Shaft		
		0 Degrees	60 Degrees	120 Degrees	
	48.	Drive End Bearing Shaft Fit			
		0 Degrees	60 Degrees	120 Degrees	
		1.574	1.574	1.574	
	49.	Drive End Bearing Shaft Fit Condi	tion	(P) Pass	
	50.	Opposite Drive End Bearing Shaft	Fit		
		0 Degrees	60 Degrees	120 Degrees	
		1.3789	1.3788	1.3788	
	51.	Opposite Drive End Bearing Shaft	Fit Condition		
	52.	Shaft Air Seal Fits			
		Drive End Air Seal	Opposite Drive End Air Seal		
M	echai	nical Fits- Bearing Housings			
	53.	Drive End - Endbell Bearing Fit			
		0 Degrees	60 Degrees	120 Degrees	
	54.	Drive End - Endbell Bearing Fit Co			
	55.	Opposite Drive End - Endbell Bear			
		0 Degrees	60 Degrees	120 Degrees	
	56.	Opposite Drive End - Endbell Bea	ring Fit Condition		
	57.	Bearing Cap Condition			
		Drive End Bearing Cap	Opposite Drive End Bearing Cap		
	58.	End Bell Air Seal Fits			
	00.	Drive End Air Seal	Opposite Drive End Air Seal		
			eppone Emo Emo m Cour		
	59.	List Machine Work Needed Below			
	-				

Dynamic Balance Report

60. Technician

61. Rotor Weight Balance Grade Rotor Weight Balance Grade 62. Initial Balance Readings Drive End Opposite Drive End 63. Final Balance Readings Drive End Opposite Drive End 64. Technician Rewind 65. Core Test Results - Watts loss per Pound Pre-Burnout Post Burnout 66. Core Hot Spot Test Pre-Burnout Post-Burnout 67. Post Rewind Electrical Test- Insulation Resistance 68. Post Rewind Polarization Index 69. Post Rewind Winding Resistance 1-2 1-3 2-3 70. Post Rewind Surge Test 71. Post Rewind Hi-Pot 72. Technician Root Cause of Failure 73. Failure locations Rot Runout Post Repair Drive End Bearing Fit Rotor Body Opposite Drive End Bearing 76. Rotor Runout Post Repair Drive End Bearing Fit Rotor Body 77. Coupling Fit Closest to Bearing Housing Post Repair 0 Degrees 60 Degrees 120 Degrees 80. Opposite Drive End Bearing Shaft Fit Post Repair 0 Degrees 60 Degrees 120 Degrees				
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		0 Degrees	60 Degrees	120 Degrees

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81.	Shaft Air Seal Fits Post Repair			
	Drive End Air Seal	Opposite Drive End Air Seal		
82.	Shaft Repair Sign-off			
Mechai	nical Fits- Bearing Housings -	Post Repair		
83.	Drive End - Endbell Bearing Fit Po	ost Repair		
	0 Degrees	60 Degrees	120 Degrees	
84.	Opposite Drive End - Endbell Bea	ring Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees	
85.	Bearing Cap Condition Post Repa	ir		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap		
86.	End Bell Air Seal Fits Post Repair			
	Drive End Air Seal	Opposite Drive End Air Seal		
87.	End Bell Repair Sign-off			
Assem	bly			
88.	QC Check All Parts for Cleanlines	•		
89.	Photograph All Major Components	s prior to assembly		
90.	Final Insulation Resistance Test			
91.	Assembled Shaft Endplay			
92.	Assembled Shaft Runout			
93.	Test Run Voltage			
	Volts	Volts	Volts	
94.	Test Run Amperage			
	Amps	Amps	Amps	
05	Drive Ford Vibration Deadings In	ah an Dan Oanan d		
95.	Drive End Vibration Readings - In		A 1	
	Horizontal	Vertical	Axial	
96.	Opposite Drive End Vibration Rea	dings - Inches Per Second		
30.	Horizontal	Vertical	Axial	
	Horizontal	Vertical	Axiai	
97.	Ambient Temperature - Fahrenhei	it		
98.	Drive End Bearing Temps - Fahre			
00.	5 Minutes	10 Minutes	15 Minutes	
	O IVIII IUIOS	TO WITHING	10 WIII IULUS	
99.	Opposite Drive End Bearing Temp	os - Fahrenheit		
00.	5 Minutes	10 Minutes	15 Minutes	
	O Milliatos	TO WILLIAMS	TO WILLIAMO	
100	Document Final Condition with Pictures after paint			
	Final Pics and QC Review	staros antor parin		
101.	100 4/14 40 110 10 10			

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