



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

## AC Recondition Repair Report

FolderID: 99171  
FormID: 12482280

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

Priorities Found: ● 1 - High ● 15 - Good

### General

1. Job Number	99171
2. Report Date	01/03/2022
3. Customer	Sage V Foods

### Name Plate Information

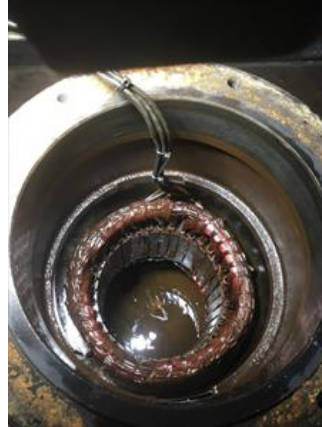


4. Manufacturer	Zoeller	P5
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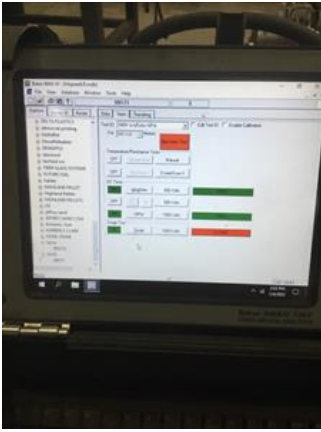


5.	Model	G6221-A	
6.	Serial Number	22631	
7.	Horsepower	7.5	
8.	KW		
9.	Volts	460	
10.	Amps	11	
11.	RPM	1750	
12.	Frame	Submersible Pump	
13.	Enclosure	Submersible Pump	
14.	Cycles	60	
15.	Phase	3	
16.	Service Factor		
17.	Motor Mount Position		
Initial Inspection			
18.	Number of Leads	3	
19.	Lead Length	Inches	
20.	Lead Size		
	21. Lead Condition	(F) Fail	P42
	Leads swelled from moisture.		
			
22.	Lead Markings		
23.	Lug Size, Condition, and Type	Replace power and sensor cords. Power: 25' 4c 12Awg. Sensor: 5C 18awg	
24.	Winding RTD's		

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25.	Winding Rtd's Condition		
26.	Shaft Run Out	0.001	
27.	Does Shaft Turn Freely	yes	
28.	Does Shaft Have Visible Damage	yes: seal surfaces worn	P94
			
29.	Bearing Rtd's	(NA) Not Applicable	
● 30.	Bearing Rtd's Condition	(NA) Not Applicable	
31.	Contamination		
	Yes/water		
● 32.	Frame Condition	(P) Pass	
● 33.	Fan Condition	(NA) Not Applicable	
34.	Broken or missing components		
<b>Initial Electric Test</b>			
35.	Resistance to Ground		
36.	Winding Resistance 1-2		
37.	Winding Resistance 2-3		
38.	Winding Resistance 1-3		
39.	Resistive Imbalance		
40.	Hi-Pot		



42. Stator Condition

pass

43. Failure Location

**Initial Rotor Inspection**

44. Rotor Type

squirrel cage laminate

P4



45. Air Gap &lt;10% Variation

46. Number of Rotor Bars

47. Number of Broken Rotor Bars

0

48. Growler Test



(P) Pass

49. Rotor Condition

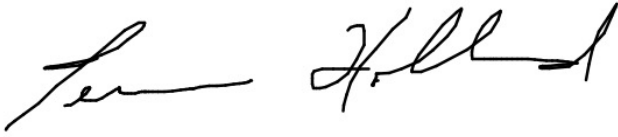
(P) Pass

**Mechanical Inspection**

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50. Bearing Manufacture	koyo	
51. Bearing DE Size	5309CD3	P15
		
52. Bearing DE Type	open double wide/double row	
53. DE Bearing Qty.	1	
54. Bearing ODE Size	6205	P43
		
55. Bearing ODE Type	62052RSR	
56. ODE Bearing Qty.	1	
57. Insulated Bearing	no	
58. Lubrication Type	oil	
59. Grease Condition	(NA) Not Applicable	
60. Bearing Retainers	(NA) Not Applicable	
61. Shaft Grounding Device	(NA) Not Applicable	
62. DE Seal	(Y) Yes	
63. DE Seal Type/Size	mechanical	
64. ODE Seal	(Y) Yes	
65. ODE Seal Type/Size	mechanical	
<b>Root Cause of Failure</b>		
66. Component Failure	seals/rotor shaft seal surface worn.	
67. Cause of Failure	<i>Seals failed due to wear on shaft seal surfaces. Also lower seal plate inner bolt holes worn.</i>	
68. Comments	<i>Although moisture was present the windings checked good on initial testing. Will retest after wash and bake.</i>	

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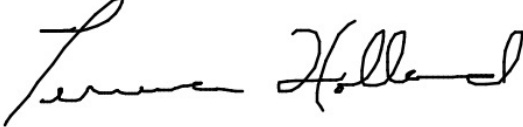


### Machine Fit Inspection Report

70.	Shaft Run Out	
71.	Initial Shaft Run Out	
72.	Final Shaft Run Out	
73.	DE Bearing Shaft Fit	
74.	DE Initial Shaft Bearing Fit Size 1	
75.	DE Initial Shaft Bearing Fit Size 2	
76.	DE Initial Shaft Bearing Fit Size 3	
77.	DE Finial Shaft Bearing Fit Size 1	
78.	DE Finial Shaft Bearing Fit Size 2	
79.	DE Finial Shaft Bearing Fit Size 3	
80.	ODE Bearing Shaft Fit	
81.	ODE Initial Shaft Bearing Fit Size 1	
82.	ODE Initial Shaft Bearing Fit Size 2	
83.	ODE Initial Shaft Bearing Fit Size 3	
84.	ODE Finial Shaft Bearing Fit Size 1	
85.	ODE Finial Shaft Bearing Fit Size 2	
86.	ODE Finial Shaft Bearing Fit Size 3	
87.	DE Air Seal Shaft Fit	
88.	DE Initial Air Seal Shaft Size	
89.	DE Final Air Seal Shaft Size	
90.	ODE Air Seal Shaft Fit	
91.	ODE Initial Air Seal Shaft Size	
92.	ODE Final Air Seal Shaft Size	
93.	DE Endbell Fit	(P) Pass
94.	DE Initial Endbell Fit Size 1	3.9377 "
95.	DE Initial Endbell Fit Size 2	3.9379 "
96.	DE Initial Endbell Fit Size 3	3.9379 "
97.	DE Final Endbell Fit Size 1	
98.	DE Finial Endbell Fit Size 2	
99.	DE Final Endbell Fit Size 3	
100.	DE Endbell Fit Insulated	(NA) Not Applicable
101.	DE Endbell Air Seal Fit	(NA) Not Applicable
102.	Initial Endbell Air Seal Fit Size	"
103.	Finial Endbell Air Seal Fit Size	
104.	ODE Endbell Fit	(P) Pass
105.	ODE Initial Endbell Fit Size 1	2.0473 "
106.	ODE Initial Endbell Fit Size 2	2.0474 "
107.	ODE Initial Endbell Fit Size 3	2.0474 "
108.	ODE Final Endbell Fit Size 1	
109.	ODE Final Endbell Fit Size 2	
110.	ODE Final Endbell Fit Size 3	

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111.	ODE Endbell Fit Insulated	
112.	ODE Endbell Air Seal Fit	
113.	ODE Initial Endbell Seal Fit Size	
114.	ODE Finial Endbell Seal Fit Size	
● 115.	Foot Flatness	(P) Pass
● 116.	Foot Condition	(P) Pass
● 117.	Flange Condition	(P) Pass
118.	Service Technician	Terrence. Holland
		

### Balancing Report

119.	Balance Type
120.	Balance Operating Speed
121.	Start Left End
122.	Start Right End
123.	Balancing Specification
124.	Finish Left End
125.	Finish Right End
126.	Service Technician

### Assembly and Final Test

127.	Megger Testing Reading
128.	Surge Test
129.	Hi-Pot
130.	Winding Resistance 1-2
131.	Winding Resistance 2-3
132.	Winding Resistance 1-3
133.	Test Run Voltage Phase A
134.	Test Run Amps A
135.	Test Run Voltage Phase B
136.	Test Run Amps B
137.	Test Run Voltage Phase C
138.	Test Run Amps C
139.	DE Horizontal Vibration Reading
140.	DE Vertical Vibration Reading
141.	DE Axial Vibration Reading
142.	ODE Horizontal Vibration Reading
143.	ODE Vertical Vibration Reading
144.	ODE Axial Vibration Reading
145.	Ambient Temp at start of Test Run
146.	Temp at 5 minutes
147.	Temp at 10 minutes
148.	Temp at 15 minutes
149.	Temp at 20 minutes
150.	Temp at 25 minutes
151.	Temp at 30 minutes

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152.	Temp at 35 minutes
153.	Temp at 40 minutes
154.	Temp at 45 minutes
155.	Temp at 50 minutes
156.	Temp at 55 minutes
157.	Temp at 60 minutes
158.	Motor Paint
159.	Service Technician