



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

## AC Recondition Repair Report

FolderID: 98970  
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**Sage V Foods**  
5901 SLOAN DRIVE  
LITTLE ROCK, AR 72206

Priorities Found: ● 1 - High ● 15 - Good

### General

1. Job Number	98970
2. Report Date	11/05/2021
3. Customer	Sage V Foods

### Name Plate Information



4. Manufacturer	US Motors	P5
Peerless Pump C-1050A		



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5. Model	<b>UJ20S2AM</b>
6. Serial Number	<b>N07-AF06-M</b>
7. Horsepower	<b>20 HP</b>
8. KW	
9. Volts	<b>460</b>
10. Amps	<b>24.8</b>
11. RPM	<b>1770</b>
12. Frame	<b>256JM</b>
13. Enclosure	<b>TE</b>
14. Cycles	<b>60</b>
15. Phase	<b>3</b>

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16.	Service Factor	1.25
17.	Motor Mount Position	
<b>Initial Inspection</b>		
18.	Number of Leads	9
19.	Lead Length	7 Inches
20.	Lead Size	
	21. Lead Condition	(P) Pass
22.	Lead Markings	
23.	Lug Size, Condition, and Type	
24.	Winding RTD's	
25.	Winding Rtd's Condition	
26.	Shaft Run Out	
27.	Does Shaft Turn Freely	yes
28.	Does Shaft Have Visible Damage	
29.	Bearing Rtd's	
30.	Bearing Rtd's Condition	
31.	Contamination	
	32. Frame Condition	(P) Pass
	33. Fan Condition	(P) Pass
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	Ua
	41. Surge Test	(P) Pass
42.	Stator Condition	
43.	Failure Location	
<b>Initial Rotor Inspection</b>		
44.	Rotor Type	cast aluminum
45.	Air Gap <10% Variation	
46.	Number of Rotor Bars	
47.	Number of Broken Rotor Bars	0
	48. Growler Test	(P) Pass
	49. Rotor Condition	(P) Pass
<b>Mechanical Inspection</b>		
50.	Bearing Manufacture	FAG
51.	Bearing DE Size	6310
52.	Bearing DE Type	ball
53.	DE Bearing Qty.	1
54.	Bearing ODE Size	6207
55.	Bearing ODE Type	ball
56.	ODE Bearing Qty.	1
57.	Insulated Bearing	
58.	Lubrication Type	grease
	59. Grease Condition	(P) Pass

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61. Shaft Grounding Device

62. DE Seal (N) No

63. DE Seal Type/Size mechanical seal

2.133- end bell fit  
1.500- shaft surface

64. ODE Seal

65. ODE Seal Type/Size

**Root Cause of Failure**

66. Component Failure seal and bearings

67. Cause of Failure  
Wear

68. Comments  
Recommend new seal and new bearings and reconditioning and seal surface polish

69. Service Technician

**Machine Fit Inspection Report**

70. Shaft Run Out

71. Initial Shaft Run Out

72. Final Shaft Run Out

73. DE Bearing Shaft Fit (P) Pass

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 (P) Pass

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

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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	
95.	DE Initial Endbell Fit Size 2	
96.	DE Initial Endbell Fit Size 3	
97.	DE Final Endbell Fit Size 1	
98.	DE Final Endbell Fit Size 2	
99.	DE Final Endbell Fit Size 3	
100.	DE Endbell Fit Insulated	
101.	DE Endbell Air Seal Fit	
102.	Initial Endbell Air Seal Fit Size	
103.	Final Endbell Air Seal Fit Size	
104.	ODE Endbell Fit	(P) Pass
105.	ODE Initial Endbell Fit Size 1	
106.	ODE Initial Endbell Fit Size 2	
107.	ODE Initial Endbell Fit Size 3	
108.	ODE Final Endbell Fit Size 1	
109.	ODE Final Endbell Fit Size 2	
110.	ODE Final Endbell Fit Size 3	
111.	ODE Endbell Fit Insulated	
112.	ODE Endbell Air Seal Fit	
113.	ODE Initial Endbell Seal Fit Size	
114.	ODE Final Endbell Seal Fit Size	
115.	Foot Flatness	(P) Pass
116.	Foot Condition	(P) Pass
117.	Flange Condition	(P) Pass
118.	Service Technician	
<b>Balancing Report</b>		
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	
<b>Assembly and Final Test</b>		
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	

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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
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

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159. Service Technician

Terrence. Holland