



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

AC Recondition Repair Report

FolderID: 98689
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SAGE
5901 SLOAN DRIVE
LITTLE ROCK, AR 72206

Priorities Found: ● 3 - High ● 10 - Good

General

1. Job Number	98689
2. Report Date	09/08/2021
3. Customer	Sage V Foods

Name Plate Information



4. Manufacturer	Baldor Reliance	P5
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5. Model	12H300Y141G1
6. Serial Number	C1408190001
7. Horsepower	50
8. KW	
9. Volts	460
10. Amps	58
11. RPM	1775
12. Frame	326TDZ
13. Enclosure	TEFC
14. Cycles	60
15. Phase	3

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16.	Service Factor	1.00	
17.	Motor Mount Position		
Initial Inspection			
18.	Number of Leads	9	P13
			
19.	Lead Length	10 Inches	
20.	Lead Size		
	21.	Lead Condition	(P) Pass
22.	Lead Markings	1-9	
23.	Lug Size, Condition, and Type		
24.	Winding RTD's		
25.	Winding Rtd's Condition		
26.	Shaft Run Out	0.25	
	Needs new shaft		
27.	Does Shaft Turn Freely	yes	
28.	Does Shaft Have Visible Damage	yes/bent extensively	
29.	Bearing Rtd's		
30.	Bearing Rtd's Condition		
31.	Contamination		P104
	Grease dirty/hardened		
			
	32.	Frame Condition	(P) Pass
	33.	Fan Condition	(P) Pass
			P109

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34. Broken or missing components

Initial Electric Test



35. Resistance to Ground

36. Winding Resistance 1-2

37. Winding Resistance 2-3

38. Winding Resistance 1-3

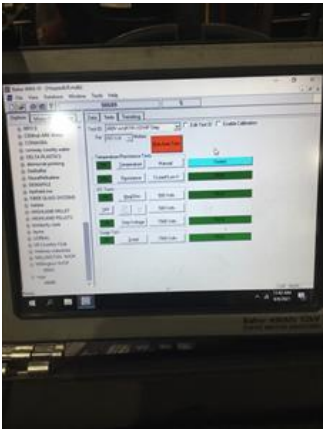
39. Resistive Imbalance

40. Hi-Pot

● 41. Surge Test

(P) Pass

P58





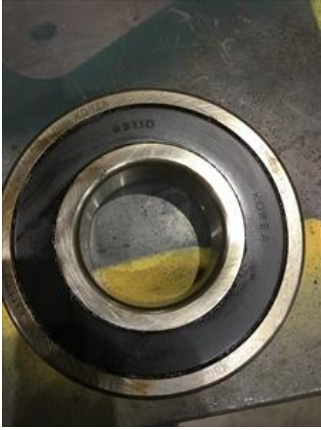
43. Failure Location

Initial Rotor Inspection

44. Rotor Type	squirrel cage laminate
45. Air Gap <10% Variation	
46. Number of Rotor Bars	
47. Number of Broken Rotor Bars	
48. Growler Test	
49. Rotor Condition	

Mechanical Inspection

50. Bearing Manufacture	KBC
51. Bearing DE Size	
52. Bearing DE Type	
53. DE Bearing Qty.	
54. Bearing ODE Size	6311D



56. ODE Bearing Qty.

1

57. Insulated Bearing

no

58. Lubrication Type

59. Grease Condition

60. Bearing Retainers

61. Shaft Grounding Device

(Y) Yes

P81



62. DE Seal

63. DE Seal Type/Size

64. ODE Seal

65. ODE Seal Type/Size

Root Cause of Failure

66. Component Failure

shaft bent out of limits. both housing fits bad.

67. Cause of Failure

68. Comments

69. Service Technician

Machine Fit Inspection Report



70. Shaft Run Out

(F) Fail

71. Initial Shaft Run Out

0.065 "

72. Final Shaft Run Out


73. DE Bearing Shaft Fit

(P) Pass

74. DE Initial Shaft Bearing Fit Size 1

2.3628 "

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75.	DE Initial Shaft Bearing Fit Size 2	2.3625 "	
76.	DE Initial Shaft Bearing Fit Size 3	2.3625 "	
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	21660 "	
82.	ODE Initial Shaft Bearing Fit Size 2	2.1658 "	
83.	ODE Initial Shaft Bearing Fit Size 3	2.166 "	
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	(F) Fail	P129
	Excessive wear spot.		
			
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 Finial 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.	Finial Endbell Air Seal Fit Size		
104.	ODE Endbell Fit	(F) Fail	P145
	Lip worn in fit.		

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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	(NA) Not Applicable
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	Terrence. Holand

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. Meggar Testing Reading
128. Surge Test
129. Hi-Pot
130. Winding Resistance 1-2
131. Winding Resistance 2-3
132. Winding Resistance 1-3

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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
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