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

AC Recondition Repair Report

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SAGE
5901 SLOAN DRIVE
LITTLE ROCK, AR 72206

Priorities Found: **2 - High** **14 - Good**

General

1.	Job Number	**98679**
2.	Report Date	**09/07/2021**
3.	Customer	**Sage V Foods**
	Little Rock	

Name Plate Information

4.	Manufacturer	**Baldor Reliance**	P5

5.	Model	**12F654H88961**
6.	Serial Number	**C0906200018**
7.	Horsepower	**50**
8.	KW	
9.	Volts	**460**
10.	Amps	**57**
11.	RPM	**1775**
12.	Frame	**326TDZ**
13.	Enclosure	**TEFC**
14.	Cycles	**60**
15.	Phase	**3**
16.	Service Factor	**1.00**
17.	Motor Mount Position	**flange**
Initial Inspection		
18.	Number of Leads	**9**
19.	Lead Length	**10 Inches**
20.	Lead Size	

●	21.	Lead Condition	**(P) Pass**	P42

	22.	Lead Markings		
	23.	Lug Size, Condition, and Type		
	24.	Winding RTD's		
	25.	Winding Rtd's Condition		
	26.	Shaft Run Out	**0.015**	
	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**	P109

	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**	
	42.	Stator Condition	**recondition**	

	43. Failure Location		
Initial Rotor Inspection			
	44. Rotor Type	**cast aluminum**	
	45. Air Gap <10% Variation		
	46. Number of Rotor Bars	**40**	
	47. Number of Broken Rotor Bars	**0**	
	48. Growler Test	**(P) Pass**	
	49. Rotor Condition	**(P) Pass**	P50

Mechanical Inspection			
	50. Bearing Manufacture	**fag**	
	51. Bearing DE Size	**6312 2rsrc3**	
	52. Bearing DE Type	**ball**	P23

	53. DE Bearing Qty.	**1**	
	54. Bearing ODE Size	**6311 2rsrc3**	

	55. Bearing ODE Type	**ball**	P53

	56. ODE Bearing Qty.	**1**	
	57. Insulated Bearing		
	58. Lubrication Type	**grease**	
🔴	59. Grease Condition	**(F) Fail**	
🟢	60. Bearing Retainers	**(Y) Yes**	P80

	61. Shaft Grounding Device		
	62. DE Seal		
	63. DE Seal Type/Size		
	64. ODE Seal		
	65. ODE Seal Type/Size		

Root Cause of Failure

	66. Component Failure	**bearings**	
	67. Cause of Failure		
	68. Comments		
	69. Service Technician	**Trevor Hall**	

Machine Fit Inspection Report

🔴	70. Shaft Run Out	**(F) Fail**	
	71. Initial Shaft Run Out	**0.015 "**	
	72. Final Shaft Run Out		
🟢	73. DE Bearing Shaft Fit	**(P) Pass**	
	74. DE Initial Shaft Bearing Fit Size 1	**2.3625 "**	
	75. DE Initial Shaft Bearing Fit Size 2	**2.3626 "**	

	76.	DE Initial Shaft Bearing Fit Size 3	**2.3626 "**	
	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	**2.166 "**	
	82.	ODE Initial Shaft Bearing Fit Size 2	**2.166 "**	
	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	**(P) Pass**	
	94.	DE Initial Endbell Fit Size 1	**5.1187 "**	
	95.	DE Initial Endbell Fit Size 2	**5.1186 "**	
	96.	DE Initial Endbell Fit Size 3	**5.1186 "**	
	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	**(P) Pass**	
	105.	ODE Initial Endbell Fit Size 1	**4.725 "**	
	106.	ODE Initial Endbell Fit Size 2	**4.7249 "**	
	107.	ODE Initial Endbell Fit Size 3	**4.7249 "**	
	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 Finial Endbell Seal Fit Size		
●	115.	Foot Flatness	**(P) Pass**	
●	116.	Foot Condition	**(P) Pass**	
●	117.	Flange Condition	**(P) Pass**	P158
		Worn from improper fit.		

118.	Service Technician

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
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