



AC Recondition Repair Report

FolderID: 98243
FormID: 10689435

Riviana Foods
28 W. White Oak st
Brinkley, AR 72021

Priorities Found: ● 1 - High ● 10 - Good

General

1. Job Number	98243
2. Report Date	05/19/2021
3. Customer	RIVIANA FOODS

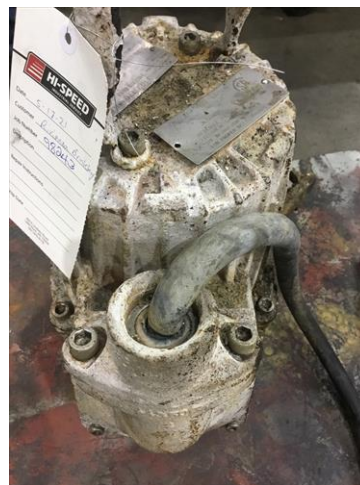
Name Plate Information



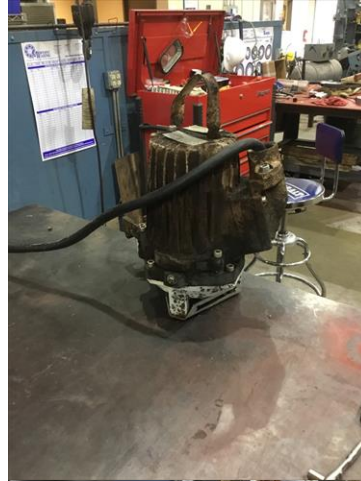
4. Manufacturer

FLYGT

P5



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5.	Model	3102.170-0630034
6.	Serial Number	3102.170-0693 263
7.	Horsepower	6
8.	KW	
9.	Volts	460
10.	Amps	7.5
11.	RPM	3455
12.	Frame	
13.	Enclosure	SUB PUMP
14.	Cycles	60
15.	Phase	3
16.	Service Factor	
17.	Motor Mount Position	
Initial Inspection		
18.	Number of Leads	7
19.	Lead Length	Inches
20.	Lead Size	
●	21. Lead Condition	(F) Fail
■	<i>Water</i>	
	22. Lead Markings	Red lead #2, Black lead #3, and White #1 power.
■	<i>Orange and blue are sensor leads. Green and white with black stripe are ground.</i>	
	23. Lug Size, Condition, and Type	
	24. Winding RTD's	
	25. Winding Rtd's Condition	
	26. Shaft Run Out	
	27. Does Shaft Turn Freely	no
	28. Does Shaft Have Visible Damage	no
	29. Bearing Rtd's	(NA) Not Applicable
●	30. Bearing Rtd's Condition	(NA) Not Applicable
	31. Contamination	
	<i>Water and debris.</i>	
●	32. Frame Condition	(P) Pass
●	33. Fan Condition	(NA) Not Applicable
	34. Broken or missing components	
	<i>Cutter ring missing</i>	

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Initial Electric Test			
35.	Resistance to Ground	0.11 Mohm	
36.	Winding Resistance 1-2		
37.	Winding Resistance 2-3		
38.	Winding Resistance 1-3		
39.	Resistive Imbalance		
40.	Hi-Pot		
41.	Surge Test	(NA) Not Applicable	
42.	Stator Condition	good	
43.	Failure Location	windings	
Initial Rotor Inspection			
44.	Rotor Type	lamine squirrel cage	
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	
Mechanical Inspection			
50.	Bearing Manufacture	koyo	P1
			
51.	Bearing DE Size	5305 Z C3	
52.	Bearing DE Type	double wide regular ball bearing	
53.	DE Bearing Qty.	1	
54.	Bearing ODE Size	6305 2Z/C3	



56. ODE Bearing Qty.	1
57. Insulated Bearing	no
58. Lubrication Type	oil
59. Grease Condition	(NA) Not Applicable
60. Bearing Retainers	(Y) Yes
61. Shaft Grounding Device	(NA) Not Applicable
62. DE Seal	
63. DE Seal Type/Size	
64. ODE Seal	
65. ODE Seal Type/Size	

Root Cause of Failure

66. Component Failure	seals failed
67. Cause of Failure	<i>Debris became lodged in between the cutter and the impeller causing motor to lock up. Also both seals failed on D.E. shaft in conjunction the power cord grommet seals, which allowed water to enter inside the stator windings resulting in an electrical short.</i>
68. Comments	<i>Rewind stator, and replace power cord. 28'- 7C / 12 AWG. Replace all o rings and seals. Replace worn impeller.</i>
69. Service Technician	Terrence. Hollnd

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

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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	
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	
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 Finial Endbell Seal Fit Size	
115.	Foot Flatness	
116.	Foot Condition	
117.	Flange Condition	
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	Mills
126.	Service Technician	

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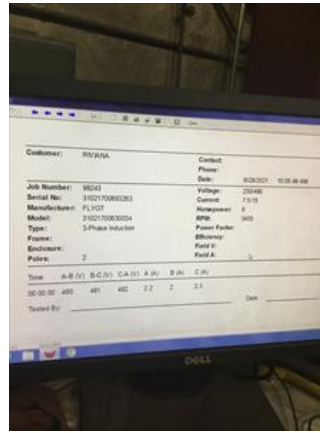
Assembly and Final Test

127. Meggar Testing Reading	
128. Surge Test	(P) Pass
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	Degrees F.
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	(P) Pass

P136



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159. Service Technician

Terrence. Holland

Terrence Holland