



KEEPING YOUR FACILITY UP TO SPEED
— EVERY DAY SINCE 1946 —

Motor Shop Repairs

Job Number 98526

Prepared for Riviana Foods

28 W. White Oak st
Brinkley AR 72021

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AC Recondition Repair Report

1.0

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AC Recondition Repair Report

FolderID: 98526
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Riviana Foods
28 W. White Oak st
Brinkley, AR 72021

Priorities Found: ● 3 - High ● 13 - Good

General

1. Job Number	98526
2. Report Date	7/30/2021
3. Customer	12135

Name Plate Information

4. Manufacturer	XYLEM
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5. Model	EC60034
6. Serial Number	3102.170-0657 263
7. Horsepower	6
8. KW	
9. Volts	230

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10. Amps	15
11. RPM	3455
12. Frame	
13. Enclosure	60034
14. Cycles	
15. Phase	
16. Service Factor	
17. Motor Mount Position	
Initial Inspection	
18. Number of Leads	12
19. Lead Length	14 Inches
20. Lead Size	14
21. Lead Condition	(P) Pass
22. Lead Markings	1-12
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	no
29. Bearing Rtd's	(NA) Not Applicable
30. Bearing Rtd's Condition	(NA) Not Applicable
31. Contamination	
32. Frame Condition	(P) Pass
33. Fan Condition	(NA) Not Applicable
34. Broken or missing components	
Initial Electric Test	
35. Resistance to Ground	0 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	(F) Fail
42. Stator Condition	rewind
43. Failure Location	
Initial Rotor Inspection	

44. Rotor Type

cast aluminum



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

KOYO

51. Bearing DE Size

5305ZZ



52. Bearing DE Type

DWDR BALL BEARING

53. DE Bearing Qty.

1



55. Bearing ODE Type	ball bearing
56. ODE Bearing Qty.	1
57. Insulated Bearing	no
58. Lubrication Type	grease and or oil
59. Grease Condition	(NA) Not Applicable
60. Bearing Retainers	
61. Shaft Grounding Device	(NA) Not Applicable
62. DE Seal	(Y) Yes
63. DE Seal Type/Size	pump seal



64. ODE Seal	(Y) Yes
65. ODE Seal Type/Size	pump seal



Root Cause of Failure

66. Component Failure **upper housing bearing fit bad**

67. Cause of Failure

68. Comments

Upper bearing fit caused water to leak passed seals and caused the motor to short to ground

69. Service Technician

RW

RW

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 **0.9848 "**

75. DE Initial Shaft Bearing Fit Size 2 **0.9848 "**

76. DE Initial Shaft Bearing Fit Size 3 **0.9848 "**

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 **0.9846 "**

82. ODE Initial Shaft Bearing Fit Size 2 **0.9846 "**

83. ODE Initial Shaft Bearing Fit Size 3 **0.9846 "**

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 **(NA) Not Applicable**

Needs polish

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

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92. ODE Final Air Seal Shaft Size	
93. DE Endbell Fit	(P) Pass
94. DE Initial Endbell Fit Size 1	2.4414 "
95. DE Initial Endbell Fit Size 2	2.4414 "
96. DE Initial Endbell Fit Size 3	2.4414 "
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	(F) Fail



105. ODE Initial Endbell Fit Size 1	2.4426 "
106. ODE Initial Endbell Fit Size 2	2.4426 "
107. ODE Initial Endbell Fit Size 3	2.4426 "
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	(NA) Not Applicable
116. Foot Condition	(NA) Not Applicable
117. Flange Condition	(NA) Not Applicable
118. Service Technician	RW

RW

Balancing Report

119. Balance Type
120. Balance Operating Speed

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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



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1. **APPLICABILITY.** The sale of any and all goods and/or services by Mock, Inc. d/b/a Hi-Speed Industrial Service ("Hi-Speed") shall be specifically conditioned upon and subject to the following terms and conditions which are incorporated by reference into any contracts and purchase orders with Hi-Speed, and which shall form and become a part of any agreement related thereto. Buyer's acceptance of any offer or quotation made by Hi-Speed for sale of any goods or services is expressly made subject to the terms and conditions set forth herein and to be so effective, Buyer need not sign or approve these Terms and Conditions to be bound hereunder provided a copy of same is provided to Buyer through any means. None of the terms and conditions contained herein may be added to, expanded, changed, modified, superseded or otherwise altered except as revised in writing and duly executed by Hi-Speed, and all orders received by Hi-Speed shall be governed only by the terms and conditions contained herein, notwithstanding any terms, conditions or provisions of any purchase order, release order, authorization or any other form issued by the Buyer. Hi-Speed hereby objects to any additional, modified, changed, deleted, altered or other terms and conditions not contained herein and notifies Buyer that any such terms or provisions are expressly rejected by Hi-Speed.
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6. **DELIVERY SITE AND TIME FOR PERFORMANCE.** Hi-Speed and Buyer agree that time is of the essence for the purchase order and that Buyer shall fully cooperate with Hi-Speed in order to allow Hi-Speed full access to prosecute its work diligently and in an orderly manner. Buyer shall assist Hi-Speed in every way possible to avoid delaying, disrupting or interfering with the progress of Hi-Speed's work at the project site. In the event Hi-Speed's work is delayed, hindered, suspended, disrupted, re-sequenced or interfered with or rendered less efficient or more costly or adversely affected in any way as a result of acts or omissions of Buyer or other contractors or employees of Buyer or by any other reason beyond Hi-Speed's control and without the fault of Hi-Speed, then, in such event, Buyer shall be liable to Hi-Speed for any damages, additional costs, expenses, labor, materials, man hours, acceleration costs, overtime, additional jobsite overhead, extended home office overhead, and any and all other direct and indirect expenses of whatsoever nature or kind, caused in whole or in part, as a result of any of the above-referenced occurrences. Hi-Speed's project records will be the basis for computing the additional costs and damages of Hi-Speed's labor, materials, expenses and overhead related to such changes. BUYER WARRANTS THAT THE SITE FOR DELIVERY OR INSTALLATION OF ANY GOODS AND/OR FOR THE PERFORMANCE OF ANY SERVICES SHALL BE READY AND ADEQUATE FOR HI-SPEED'S DELIVERY OF GOODS AND/OR PERFORMANCE OF SERVICES AND THAT HI-SPEED SHALL HAVE FULL ACCESS THERETO, FREE OF ALL OBSTRUCTIONS. BUYER SHALL ASSUME ALL EXTRA COSTS ASSOCIATED WITH HI-SPEED'S INABILITY TO INSTALL ANY GOODS OR PERFORM ANY SERVICES AS A RESULT OF BUYER'S FAILURE TO COMPLY WITH THIS PROVISION. HI-SPEED MAY NOT INSPECT THE SITE PRIOR TO DELIVERY AND/OR INSTALLATION OF GOODS AND/OR PERFORMANCE OF SERVICES AND MAKES NO WARRANTY AS TO THE SUFFICIENCY OF THE SITE FOR THE DELIVERY AND/OR INSTALLATION OF GOODS AND/OR THE PERFORMANCE OF SERVICES AT SUCH SITE.
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8. **WARRANTIES.** Hi-Speed warrants that all goods shall conform in all material aspects to the goods identified in the quotation to Buyer and/or purchase order, and Hi-Speed makes to Buyer the manufacturer's express warranty for any goods sold to Buyer, which is offered by the manufacturer at the time of acceptance of any quotation by Buyer. This warranty is conditioned upon the installation, operation, and maintenance of the goods in accordance with the manufacturer's recommendations and/or standard industry practice and the goods at all times being operated or used under normal operating conditions for which they were designed. Hi-Speed, at its sole option, will repair or

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