



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

Motor Shop Repairs

**Job Number 98637**

Prepared for SAGE

5901 SLOAN DRIVE  
LITTLE ROCK AR 72206

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AC Recondition Repair Report

1.0

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

## AC Recondition Repair Report

FolderID: 98637  
FormID: 11428576

**SAGE**  
5901 SLOAN DRIVE  
LITTLE ROCK, AR 72206

Priorities Found: ● 3 - High ● 10 - Good

### General

1. Job Number	98637
2. Report Date	8/24/2021
3. Customer	Sage V Foods

### Name Plate Information

4. Manufacturer	Pentair
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5. Model	64SD750M4-4
6. Serial Number	10556507
7. Horsepower	7.5
8. KW	
9. Volts	460

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10. Amps	12.6
11. RPM	1750
12. Frame	
13. Enclosure	
14. Cycles	60
15. Phase	3
16. Service Factor	1.2
17. Motor Mount Position	Intake Down
<b>Initial Inspection</b>	
18. Number of Leads	3
19. Lead Length	10 Inches
20. Lead Size	
21. Lead Condition	(F) Fail
22. Lead Markings	1 2 3
23. Lug Size, Condition, and Type	
24. Winding RTD's	
25. Winding Rtd's Condition	
26. Shaft Run Out	0.001
27. Does Shaft Turn Freely	yes
28. Does Shaft Have Visible Damage	no



29. Bearing Rtd's	
30. Bearing Rtd's Condition	
31. Contamination	
32. Frame Condition	(P) Pass
33. Fan Condition	(NA) Not Applicable
34. Broken or missing components	
<b>Initial Electric Test</b>	
35. Resistance to Ground	500 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

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43. Failure Location

in slot

**Initial Rotor Inspection**

44. Rotor Type

cast aluminum

45. Air Gap &lt;10% Variation

46. Number of Rotor Bars

48

47. Number of Broken Rotor Bars

0

● 48. Growler Test

(P) Pass

● 49. Rotor Condition

(P) Pass

**Mechanical Inspection**

50. Bearing Manufacture

fag



51. Bearing DE Size

6307 2Z

52. Bearing DE Type

ball



53. DE Bearing Qty.

1

54. Bearing ODE Size

6303 2Z

55. Bearing ODE Type

ball



56. ODE Bearing Qty.

1

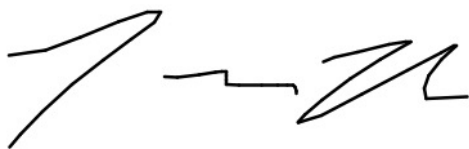
57. Insulated Bearing

58. Lubrication Type

oil

59. Grease Condition

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60. Bearing Retainers	
61. Shaft Grounding Device	
62. DE Seal	(Y) Yes
63. DE Seal Type/Size	pump seals
1.875x1.25 quantity of 2. Carbon ceramic	
64. ODE Seal	
65. ODE Seal Type/Size	
<b>Root Cause of Failure</b>	
66. Component Failure	windings, bearings, pump cords
67. Cause of Failure	Cord got twisted and shorted windings
68. Comments	
69. Service Technician	Trevor Hall
	
<b>Machine Fit Inspection Report</b>	
70. Shaft Run Out	(P) Pass
71. Initial Shaft Run Out	0.001 "
72. Final Shaft Run Out	
73. DE Bearing Shaft Fit	(P) Pass
74. DE Initial Shaft Bearing Fit Size 1	1.3784 "
75. DE Initial Shaft Bearing Fit Size 2	1.3784 "
76. DE Initial Shaft Bearing Fit Size 3	1.3784 "
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	0.6694 "
82. ODE Initial Shaft Bearing Fit Size 2	0.6694 "
83. ODE Initial Shaft Bearing Fit Size 3	0.6694 "
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	3.1503 "
95. DE Initial Endbell Fit Size 2	3.1503 "
96. DE Initial Endbell Fit Size 3	3.1503 "
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	1.8519 "
106. ODE Initial Endbell Fit Size 2	1.8519 "
107. ODE Initial Endbell Fit Size 3	1.8519 "
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	

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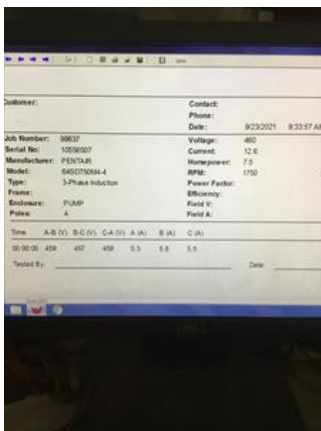
115. Foot Flatness	
116. Foot Condition	
117. Flange Condition	
118. Service Technician	<b>Trevor Hall</b>
	

### 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	<b>Mohm</b>
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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	

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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
<div>●</div> 158. Motor Paint <div>(P) Pass</div>



159. Service Technician	David Maclin
	

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5. **DELIVERY OF GOODS AND/OR SERVICES.** Unless otherwise identified in the quotation, all shipments are F.O.B. Hi-Speed's warehouse and the title to and all risk of loss with respect to any goods shipped shall pass to Buyer when such goods are delivered to the carrier at Hi-Speed's warehouse. Hi-Speed will use its best efforts to affect delivery by the date or dates specified in the quotation. However, Hi-Speed shall not be liable for delay in or failure to make shipment, or to perform services, by any identified date for any reason whatsoever, including but not limited to, causes beyond its reasonable control, such as strikes, fires, floods, epidemics, quarantines, restrictions, severe weather, embargos, acts of God, or public enemy, war, riot, delays in transportation or the inability to obtain necessary labor, materials or manufacturing facilities.
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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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13. **FORCE MAJEURE.** Neither party shall be responsible for any delay or failure in performance of any party of the quotation, purchase order or these Standard Terms and Conditions to the extent that such delays or failures are caused by fire, flood, earthquake, explosion, war, embargo, government requirement, civil or military authority, acts of God, or any other circumstances beyond its reasonable control and not involving any fault or negligence on the party affected ("Condition"). If any such Condition occurs, the party delayed or unable to perform shall promptly give written notice to the other party and, if such Condition remains at the end of thirty (30) days, the party affected by the other party's delay and inability to perform may elect to (i) terminate such order or part thereof, or (ii) suspend the order for the duration of the Condition, if the Buyer is the suspending party, buy elsewhere comparable material to be sold under the order and apply to any commitment the purchase price of such purchase, and resume performance of the order once the Condition ceases, with an option in the affected party to extend the period of this order up to the length of the time the Condition endures.
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