



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

Motor Shop Repairs

**Job Number 98288**

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: 98288  
FormID: 10770292

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

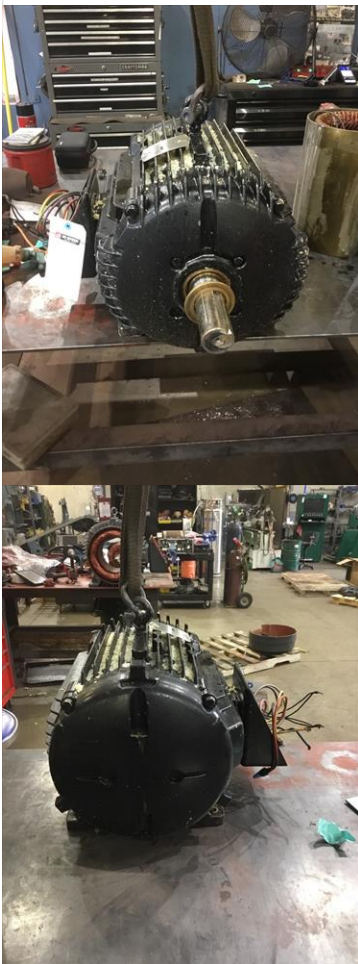
Priorities Found: ● 3 - High ● 7 - Good

### General

1. Job Number	98288
2. Report Date	6/1/2021
3. Customer	SAGE FOODS

### Name Plate Information

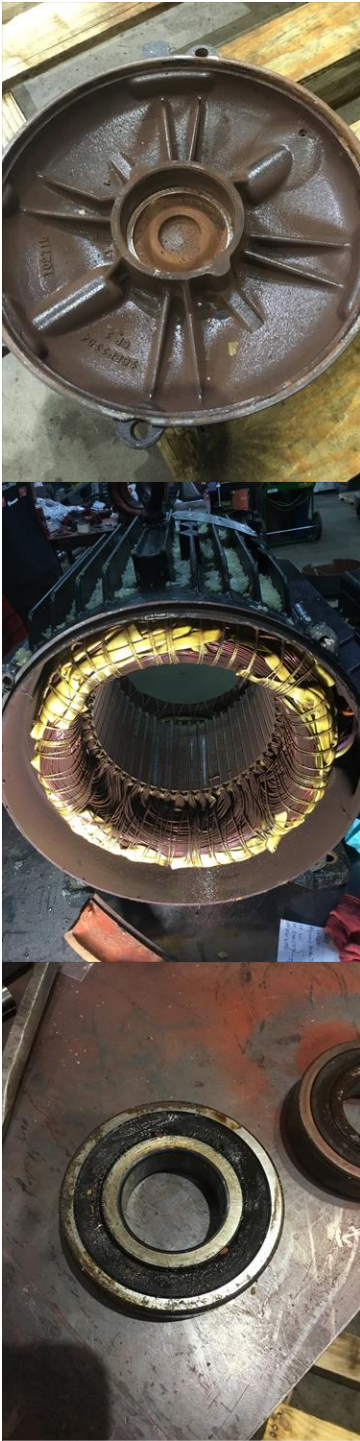
4. Manufacturer	BALDOR
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5. Model	
6. Serial Number	C1511130032
7. Horsepower	20
8. KW	
9. Volts	460
10. Amps	30
11. RPM	1770
12. Frame	284T
13. Enclosure	TEAO
14. Cycles	60

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15. Phase	3
16. Service Factor	1.15
17. Motor Mount Position	
<b>Initial Inspection</b>	
18. Number of Leads	9
	
19. Lead Length	11 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	0.002
27. Does Shaft Turn Freely	
28. Does Shaft Have Visible Damage	no
29. Bearing Rtd's	
30. Bearing Rtd's Condition	
31. Contamination	
<i>Rust from excessive water</i>	
32. Frame Condition	(P) Pass
	
33. Fan Condition	(NA) Not Applicable
34. Broken or missing components	

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*D.E. End bell housing broken.*



#### 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 (NA) Not Applicable
- 42. Stator Condition pass
- 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 (P) Pass

#### Mechanical Inspection

- 50. Bearing Manufacture RSR

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51. Bearing DE Size	6311
	
52. Bearing DE Type	sealed
53. DE Bearing Qty.	1
54. Bearing ODE Size	6309
	
55. Bearing ODE Type	sealed
56. ODE Bearing Qty.	1
57. Insulated Bearing	no
58. Lubrication Type	
59. Grease Condition	(F) Fail
No grease present. Sealed bearings.	
60. Bearing Retainers	(Y) Yes
61. Shaft Grounding Device	(NA) Not Applicable
62. DE Seal	(N) No
End pro seal broken. Needs replacing.	
63. DE Seal Type/Size	
64. ODE Seal	
65. ODE Seal Type/Size	
<b>Root Cause of Failure</b>	
66. Component Failure	Drive end housing severely cracked.
67. Cause of Failure	Rotor impacted and dragged on stator iron because the drive end housing was cracked in multiple places.

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## 68. Comments

*Re-sleeve ode end bell housing fit: Lip worn in sleeve. Rewind stator. Replace D.E. housing and end pro seal. Rewind stator with minor core repair.*

## 69. Service Technician

Terrence. Holland



## 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

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 (F) Fail

105. ODE Initial Endbell Fit Size 1 3.94 "

106. ODE Initial Endbell Fit Size 2 3.942 "

107. ODE Initial Endbell Fit Size 3 3.942 "

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108. ODE Final Endbell Fit Size 1

3.9377 "



109. ODE Final Endbell Fit Size 2

3.9377 "

110. ODE Final Endbell Fit Size 3

3.9377 "

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

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

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

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134. Test Run Amps A

Amps



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

(P) Pass



159. Service Technician





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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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