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— EVERY DAY SINCE 1946 —

Motor Shop Repairs

Job Number 97466

Prepared for Saint Jean Industries, Inc. (11653)

424 Industrial Park Road
Heber Springs AR 72543

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AC Recondition Repair Report

1.0

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Printed on 10/19/2020

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AC Recondition Repair Report

FolderID: 97466
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Saint Jean Industries, Inc. (11653)

424 Industrial Park Road
Heber Springs, AR 72543

Priorities Found: ● 1 - High ● 13 - Good

General		
1. Job Number	97466	
2. Report Date		
3. Customer	ST. JEAN	
Name Plate Information 		
4. Manufacturer	SIEMENS	P5
5. Model	TYPE: GP10	
6. Serial Number	C10T0010EED20	
7. Horsepower	40	
8. KW		
9. Volts	230460	
10. Amps		
 92.0/46.0		
11. RPM	1770 RPM	
12. Frame	324T	
13. Enclosure	TEFC	
14. Cycles	60 HZ	
15. Phase	3 PH	
16. Service Factor	1.0	
17. Motor Mount Position		
Initial Inspection 		
18. Number of Leads	9	
19. Lead Length	10 Inches	
20. Lead Size		
● 21. Lead Condition	(P) Pass	P42
22. Lead Markings	1-9	
23. Lug Size, Condition, and Type		
N/a		
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	yes	
		P94
29. Bearing Rtd's	(NA) Not Applicable	
30. Bearing Rtd's Condition	(NA) Not Applicable	

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31. Contamination		
Yes.		
32. Frame Condition	(P) Pass	
33. Fan Condition	(P) Pass	P109
34. Broken or missing components		
N/a		
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	P58
42. Stator Condition	good	
43. Failure Location		
Initial Rotor Inspection		
44. Rotor Type	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	P50
Mechanical Inspection		
50. Bearing Manufacture	Fag	P1
51. Bearing DE Size	6312/2Z	P15
52. Bearing DE Type	ball bearing	
53. DE Bearing Qty.	1	
54. Bearing ODE Size	6210/2Z	
55. Bearing ODE Type	ball bearing	P53
56. ODE Bearing Qty.	1	P59
57. Insulated Bearing	no	
58. Lubrication Type	grease	
59. Grease Condition	(F) Fail	P74
 Dirty		
60. Bearing Retainers	(NA) Not Applicable	
61. Shaft Grounding Device	(NA) Not Applicable	
62. DE Seal	(Y) Yes	
63. DE Seal Type/Size	worn v ring	P90
64. ODE Seal		
65. ODE Seal Type/Size		
Root Cause of Failure		
66. Component Failure	attached fan assembly pillar block bearings worn.	
67. Cause of Failure	Lack of grease on drive end bearing caused excessive shaft wear.	

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68. Comments

Multiple cracks from welds need repair on fan housing.

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 (P) Pass

74. DE Initial Shaft Bearing Fit Size 1 2.3623 "

75. DE Initial Shaft Bearing Fit Size 2 2.3626 "

76. DE Initial Shaft Bearing Fit Size 3 2.3624 "

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 1.969 "

82. ODE Initial Shaft Bearing Fit Size 2 1.969 "

83. ODE Initial Shaft Bearing Fit Size 3 1.969 "

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 P129

94. DE Initial Endbell Fit Size 1 5.1189 "

95. DE Initial Endbell Fit Size 2 5.1189 "

96. DE Initial Endbell Fit Size 3 5.1187 "

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

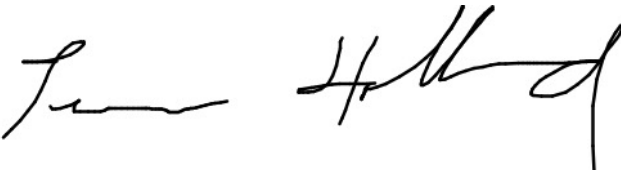
105. ODE Initial Endbell Fit Size 1 3.541 "

106. ODE Initial Endbell Fit Size 2 3.5411 "

107. ODE Initial Endbell Fit Size 3 3.5413 "

108. ODE Final Endbell Fit Size 1

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109. ODE Final Endbell Fit Size 2	
110. ODE Final Endbell Fit Size 3	
111. ODE Endbell Fit Insulated	(NA) Not Applicable
112. ODE Endbell Air Seal Fit	(NA) Not Applicable
113. ODE Initial Endbell Seal Fit Size	"
114. ODE Final Endbell Seal Fit Size	"
● 115. Foot Flatness	(P) Pass
● 116. Foot Condition	(P) Pass
117. Flange Condition	(NA) Not Applicable
118. Service Technician	Terrence Holland
	

Balancing Report

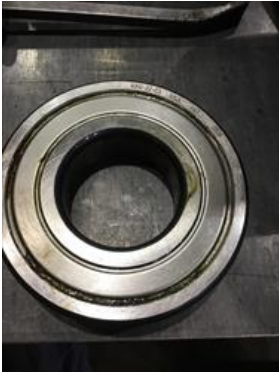
119. Balance Type
120. Balance Operating Speed
121. Start Left End
122. Start Right End
123. Balancing Specification
124. Finish Left End
125. Finish Right End
126. Service Technician

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

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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



P1.1



P5.2



P5.3



P5.4



P5.5



P5.6



P5.7



P5.8



P5.9



P15.10



P15.11



P42.12

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P50.13



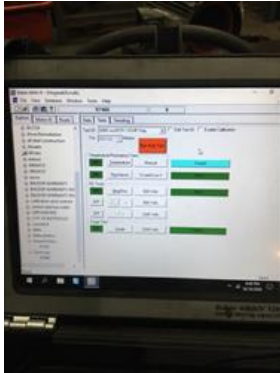
P53.14



P53.15



P53.16



P58.17



P59.18



P59.19



P59.20



P74.21



P90.22



P94.23



P109.24



P129.25

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