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

AC Recondition Repair Report

FolderID: 98121
FormID: 10460723

Saint Jean Industries, Inc. (11653)
424 Industrial Park Road
Heber Springs, AR 72543

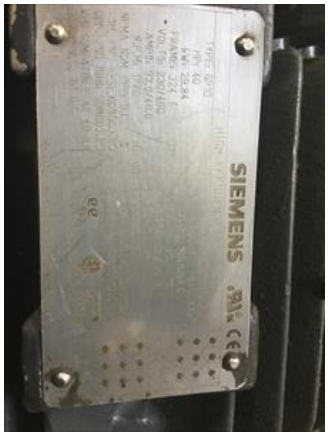
Priorities Found: **1 - High** **15 - Good**

General

1.	Job Number	**98121**
2.	Report Date	**04/19/2021**
3.	Customer	**SAINT JEAN INDUSTRIES**

Name Plate Information

4.	Manufacturer	**SIEMENS**	P5



5.	Model	**1LE22013/3115AA3**
6.	Serial Number	**C1010010EE1 20**
7.	Horsepower	**40**
8.	KW	
9.	Volts	**460**
10.	Amps	**46**
11.	RPM	**1770**
12.	Frame	**324T**
13.	Enclosure	**TEFC**
14.	Cycles	**60**
15.	Phase	**3**
16.	Service Factor	**1.15**
17.	Motor Mount Position	

Initial Inspection

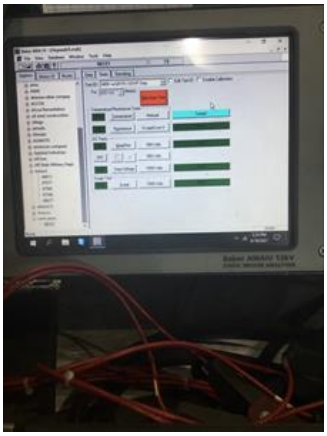
18.	Number of Leads	
19.	Lead Length	**11 Inches**
20.	Lead Size	
21.	Lead Condition	**(P) Pass**
22.	Lead Markings	**1-9**
23.	Lug Size, Condition, and Type	
24.	Winding RTD's	
25.	Winding Rtd's Condition	
26.	Shaft Run Out	**0.001**

	27.	Does Shaft Turn Freely	**yes**	
	28.	Does Shaft Have Visible Damage	**yes**	
		Slight wear.		
	29.	Bearing Rtd's		
	30.	Bearing Rtd's Condition		
	31.	Contamination		
●	32.	Frame Condition	**(P) Pass**	P106

●	33.	Fan Condition	**(P) Pass**	
	34.	Broken or missing components		

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**	P65

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	**0**	
48.	Growler Test	**(P) Pass**	
49.	Rotor Condition	**(P) Pass**	

Mechanical Inspection

50.	Bearing Manufacture	**FAG**	
51.	Bearing DE Size	**6312 2Z-C3**	P15

52.	Bearing DE Type	**regular ball bearing**	
53.	DE Bearing Qty.	**1**	
54.	Bearing ODE Size	**6210 2Z-C3**	
55.	Bearing ODE Type	**regular ball bearing**	
56.	ODE Bearing Qty.	**1**	
57.	Insulated Bearing	**no**	
58.	Lubrication Type	**grease**	
59.	Grease Condition	**(F) Fail**	
	Dirty		
60.	Bearing Retainers	**(NA) Not Applicable**	
61.	Shaft Grounding Device	**(NA) Not Applicable**	

62.	DE Seal	**(Y) Yes**	P86

63.	DE Seal Type/Size	**dust seal**
64.	ODE Seal	**(NA) Not Applicable**
65.	ODE Seal Type/Size	

Root Cause of Failure

66.	Component Failure	**grease dirty/contaminated**
67.	Cause of Failure	
68.	Comments	

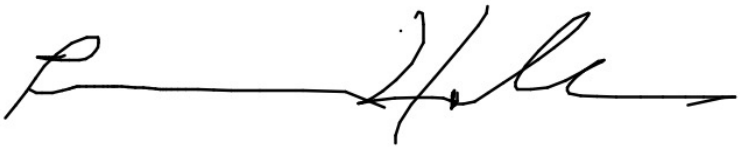
All machine fits check good. All electrical tests check good.

69.	Service Technician	**Terrence. Holland**

Machine Fit Inspection Report

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	**2.3627 "**
75.	DE Initial Shaft Bearing Fit Size 2	**2.3626 "**
76.	DE Initial Shaft Bearing Fit Size 3	**2.3626 "**
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**
	94.	DE Initial Endbell Fit Size 1	**5.1185 "**
	95.	DE Initial Endbell Fit Size 2	**5.1187 "**
	96.	DE Initial Endbell Fit Size 3	**5.1185 "**
	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	**(NA) Not Applicable**
	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	**3.5433 "**
	106.	ODE Initial Endbell Fit Size 2	**3.5434 "**
	107.	ODE Initial Endbell Fit Size 3	**3.5434 "**
	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	**(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
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