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

AC Recondition Repair Report

FolderID: 97328
FormID: 8910135

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

Additional Notes: 3 broken fan cover bolts in o.d.e.

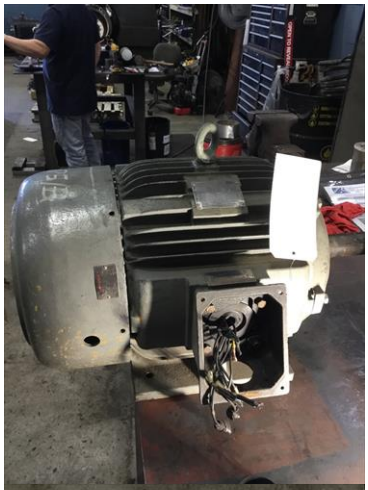
Priorities Found: **3 - High** **7 - Good**

General

1.	Job Number	**97328**
2.	Report Date	
3.	Customer	**11653**

Name Plate Information

4.	Manufacturer	**TECO** P5



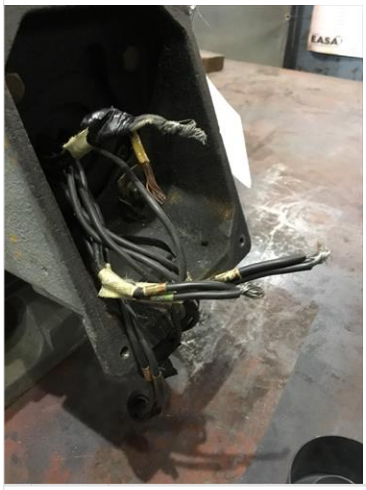
5.	Model	
	TYPE: AEHH8N	
6.	Serial Number	**UBQ6167513003**
7.	Horsepower	**HP**
	15/11	
8.	KW	
9.	Volts	**230460**

10.	Amps		
	36.4/18.2		
11.	RPM	**1175**	
12.	Frame	**284T**	
13.	Enclosure	**TEFC**	
14.	Cycles	**60**	
15.	Phase	**3**	
16.	Service Factor	**1.15**	
17.	Motor Mount Position	**F1**	

Initial Inspection

18.	Number of Leads	**12**	P13

19.	Lead Length	**7.5 Inches**	
20.	Lead Size		P37



21.	Lead Condition	**(P) Pass**	

	22.	Lead Markings	**1-12**	P50

	23.	Lug Size, Condition, and Type ***N/a***		
	24.	Winding RTD's	**(NA) Not Applicable**	
	25.	Winding Rtd's Condition	**(NA) Not Applicable**	
	26.	Shaft Run Out		
	27.	Does Shaft Turn Freely	**no**	
	28.	Does Shaft Have Visible Damage	**no**	P93

	29.	Bearing Rtd's	**(NA) Not Applicable**	
	30.	Bearing Rtd's Condition	**(NA) Not Applicable**	
	31.	Contamination		
●	32.	Frame Condition	**(P) Pass**	P104

33. Fan Condition **(P) Pass** P107

34.	Broken or missing components	P109

Fan cover has 3ea broken mount bolts.

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	
42.	Stator Condition	
43.	Failure Location	
Initial Rotor Inspection		
44.	Rotor Type	
45.	Air Gap <10% Variation	
46.	Number of Rotor Bars	
47.	Number of Broken Rotor Bars	
48.	Growler Test	

49.	Rotor Condition	**(P) Pass**	P51

Mechanical Inspection

50.	Bearing Manufacture	**NTN**	P1

51.	Bearing DE Size	**6311 Z**	P14

52.	Bearing DE Type	**Ball bearing**

	53.	Bearing ODE Size	**6310 2Z**	P30

	54.	Bearing ODE Type	**Ball bearing**	
	55.	Insulated Bearing	**no**	
	56.	Lubrication Type	**unknown**	
●	57.	Grease Condition	**(F) Fail**	P64

Zero amount of grease present on drive end bearing.

	58.	Bearing Retainers	**(NA) Not Applicable**	
	59.	Shaft Grounding Device	**(NA) Not Applicable**	
●	60.	DE Seal	**(Y) Yes**	P77

	61.	DE Seal Type/Size		
	62.	ODE Seal	**(NA) Not Applicable**	

63.	ODE Seal Type/Size	

Root Cause of Failure

64.	Component Failure	**D.E bearing cage failed due to no lubrication.**
65.	Cause of Failure	P15

No lubrication.

66.	Comments	
67.	Service Technician	**Terrence Holland**

Machine Fit Inspection Report

68.	Shaft Run Out	**(P) Pass**
69.	Initial Shaft Run Out	**0.001 "**
70.	Final Shaft Run Out	
71.	DE Bearing Shaft Fit	
72.	DE Initial Shaft Bearing Fit Size 1	**"**
73.	DE Initial Shaft Bearing Fit Size 2	
74.	DE Initial Shaft Bearing Fit Size 3	
75.	DE Finial Shaft Bearing Fit Size 1	
76.	DE Finial Shaft Bearing Fit Size 2	**"**
77.	DE Finial Shaft Bearing Fit Size 3	
78.	ODE Bearing Shaft Fit	**(P) Pass**
79.	ODE Initial Shaft Bearing Fit Size 1	**1.9687 "**
80.	ODE Initial Shaft Bearing Fit Size 2	**1.9686 "**
81.	ODE Initial Shaft Bearing Fit Size 3	**1.9686 "**
82.	ODE Finial Shaft Bearing Fit Size 1	
83.	ODE Finial Shaft Bearing Fit Size 2	
84.	ODE Finial Shaft Bearing Fit Size 3	
85.	DE Air Seal Shaft Fit	
86.	DE Initial Air Seal Shaft Size	
87.	DE Final Air Seal Shaft Size	
88.	ODE Air Seal Shaft Fit	
89.	ODE Initial Air Seal Shaft Size	
90.	ODE Final Air Seal Shaft Size	

91.	DE Endbell Fit	**(F) Fail**	P127

92.	DE Initial Endbell Fit Size 1	**4.726 "**	
93.	DE Initial Endbell Fit Size 2	**4.727 "**	
94.	DE Initial Endbell Fit Size 3	**4.726 "**	
95.	DE Final Endbell Fit Size 1	**"**	P136

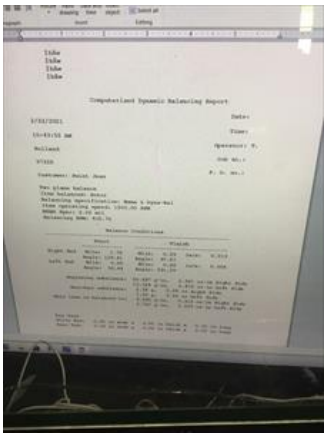
96.	DE Finial Endbell Fit Size 2	**"**	
97.	DE Final Endbell Fit Size 3	**"**	
98.	DE Endbell Fit Insulated		
99.	DE Endbell Air Seal Fit		
100.	Initial Endbell Air Seal Fit Size	**"**	
101.	Finial Endbell Air Seal Fit Size	**"**	
102.	ODE Endbell Fit	**(F) Fail**	P143

3 broken fan cover bolts

103.	ODE Endbell Fit Insulated		
104.	ODE Endbell Air Seal Fit		
105.	ODE Initial Endbell Seal Fit Size		
106.	ODE Finial Endbell Seal Fit Size		
107.	Foot Flatness		
108.	Foot Condition		
109.	Flange Condition		
110.	Service Technician		

Balancing Report

111.	Balance Type	**standard**	P6

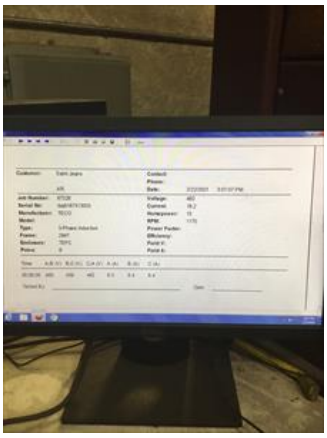


112.	Balance Operating Speed		
113.	Start Left End		
114.	Start Right End		
115.	Balancing Specification		
116.	Finish Left End		
117.	Finish Right End	**Mills**	
118.	Service Technician		

Assembly and Final Test

119.	Meggar Testing Reading	**Mohm**	
120.	Surge Test		
121.	Hi-Pot	**Ua**	
122.	Winding Resistance 1-2		
123.	Winding Resistance 2-3		

124.	Winding Resistance 1-3	
125.	Test Run Voltage Phase A	
126.	Test Run Amps A	
127.	Test Run Voltage Phase B	
128.	Test Run Amps B	
129.	Test Run Voltage Phase C	
130.	Test Run Amps C	
131.	DE Horizontal Vibration Reading	
132.	DE Vertical Vibration Reading	
133.	DE Axial Vibration Reading	
134.	ODE Horizontal Vibration Reading	
135.	ODE Vertical Vibration Reading	
136.	ODE Axial Vibration Reading	
137.	Ambient Temp at start of Test Run	
138.	Temp at 5 minutes	
139.	Temp at 10 minutes	
140.	Temp at 15 minutes	
141.	Temp at 20 minutes	
142.	Temp at 25 minutes	
143.	Temp at 30 minutes	
144.	Temp at 35 minutes	
145.	Temp at 40 minutes	
146.	Temp at 45 minutes	
147.	Temp at 50 minutes	
148.	Temp at 55 minutes	
149.	Temp at 60 minutes	
150.	Motor Paint	P133



151. Service Technician