



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

AC Recondition Repair Report

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Bryce Corporation (10053-BRC)
450 S. Benton
Searcy, AR 72143

Priorities Found: ● 1 - High ● 14 - Good

General

1. Job Number	98347
2. Report Date	06/17/2021
3. Customer	BRYCE

Name Plate Information

4. Manufacturer

P5




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5.	Model	
6.	Serial Number	
7.	Horsepower	
8.	KW	5.6
9.	Volts	460
10.	Amps	
11.	RPM	1800 RPM
12.	Frame	
13.	Enclosure	TE
14.	Cycles	60
15.	Phase	3
16.	Service Factor	
17.	Motor Mount Position	
Initial Inspection		
18.	Number of Leads	9
19.	Lead Length	10 Inches
20.	Lead Size	
21.	Lead Condition	(P) Pass
22.	Lead Markings	
23.	Lug Size, Condition, and Type	
24.	Winding RTD's	
25.	Winding Rtd's Condition	
26.	Shaft Run Out	0.001

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27.	Does Shaft Turn Freely	yes
28.	Does Shaft Have Visible Damage	no
29.	Bearing Rtd's	
30.	Bearing Rtd's Condition	
31.	Contamination <i>None</i>	
32.	Frame Condition	(P) Pass
33.	Fan Condition	(NA) Not Applicable
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
42.	Stator Condition	good
43.	Failure Location	bearings
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	fafnir
		
51.	Bearing DE Size	6309
52.	Bearing DE Type	regular ball bearing
53.	DE Bearing Qty.	1
54.	Bearing ODE Size	6207
55.	Bearing ODE Type	regular ball bearing



57. Insulated Bearing

no

58. Lubrication Type

grease

☒ 59. Grease Condition

(F) Fail

☐ Dirty

☒ 60. Bearing Retainers

(Y) Yes

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61. Shaft Grounding Device

(NA) Not Applicable

62. DE Seal

63. DE Seal Type/Size

64. ODE Seal

65. ODE Seal Type/Size

Root Cause of Failure

66. Component Failure

bearings

67. Cause of Failure

Bearings have contaminated grease inside end bell housings. Also windings dirty with grease contamination.

68. Comments

Recommend reconditioning motor.

69. Service Technician

Machine Fit Inspection Report


☒ 70. Shaft Run Out

(P) Pass

71. Initial Shaft Run Out

0.001 "

72. Final Shaft Run Out

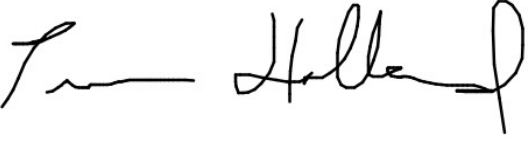
☒ 73. DE Bearing Shaft Fit

(P) Pass

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74.	DE Initial Shaft Bearing Fit Size 1	1.7722 "	
75.	DE Initial Shaft Bearing Fit Size 2	1.7722 "	
76.	DE Initial Shaft Bearing Fit Size 3	1.7722 "	
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	1.3783 "	
82.	ODE Initial Shaft Bearing Fit Size 2	1.3783 "	
83.	ODE Initial Shaft Bearing Fit Size 3	1.3782 "	
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	3.9372 "	
95.	DE Initial Endbell Fit Size 2	3.9372 "	
96.	DE Initial Endbell Fit Size 3	3.9373 "	
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		
105.	ODE Initial Endbell Fit Size 1	"	
106.	ODE Initial Endbell Fit Size 2	"	
107.	ODE Initial Endbell Fit Size 3	"	
108.	ODE Final Endbell Fit Size 1		
109.	ODE Final Endbell Fit Size 2		

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110. ODE Final Endbell Fit Size 3	
111. ODE Endbell Fit Insulated	(NA) Not Applicable
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	(P) Pass
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

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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