



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

AC Recondition Repair Report

INDUSTRIAL SUPPLY & SERVICE
8203 DISTRIBUTION DRIVE
LITTLE ROCK, AR 72209

FolderID: 98376
FormID: 10994514

Priorities Found: ● 3 - High ● 12 - Good

General

1. Job Number	98376
2. Report Date	06/30/2021
3. Customer	INDUSTRIAL SUPPLY

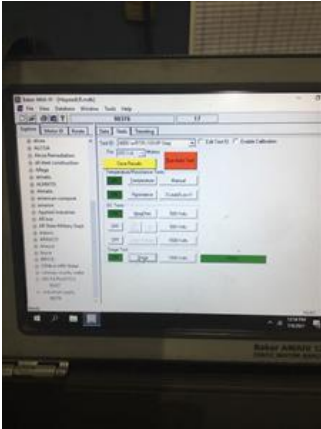
Name Plate Information




4. Manufacturer	BALDOR	P5
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5. Model	CAT# 1274660022
6. Serial Number	Z0306090023
7. Horsepower	30
8. KW	
9. Volts	460
10. Amps	34.5
11. RPM	3525
12. Frame	284TS
13. Enclosure	OPSB
14. Cycles	60
15. Phase	3
16. Service Factor	1.15
17. Motor Mount Position	
Initial Inspection 	
18. Number of Leads	9
19. Lead Length	8 Inches
20. Lead Size	



22. Lead Markings	1-9
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23. Lug Size, Condition, and Type	
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24. Winding RTD's	
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25. Winding Rtd's Condition	
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26. Shaft Run Out	0.001
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27. Does Shaft Turn Freely	yes
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28. Does Shaft Have Visible Damage	no
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29. Bearing Rtd's	
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30. Bearing Rtd's Condition	
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31. Contamination	
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Dirty

32. Frame Condition	(P) Pass
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33. Fan Condition	(NA) Not Applicable
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34. Broken or missing components	
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Initial Electric Test



35. Resistance to Ground	Mohm
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36. Winding Resistance 1-2	
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37. Winding Resistance 2-3	
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38. Winding Resistance 1-3	
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39. Resistive Imbalance	
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40. Hi-Pot	
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41. Surge Test	(P) Pass
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42.	Stator Condition	pass but windings are dirty	
43.	Failure Location	bearings and both housing fits	
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
			P50
		 	
			
Mechanical Inspection			
50.	Bearing Manufacture	NSK	
51.	Bearing DE Size	6311 2Z/ C3	

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52. Bearing DE Type

regular ball bearing

P23



53. DE Bearing Qty.

1

54. Bearing ODE Size

6208 2Z/C3

55. Bearing ODE Type

regular ball bearing

P53





56.	ODE Bearing Qty.	1	
57.	Insulated Bearing	no	
58.	Lubrication Type	grease	
59.	Grease Condition	(F) Fail	P74



60.	Bearing Retainers	(NA) Not Applicable	
61.	Shaft Grounding Device	(NA) Not Applicable	
62.	DE Seal	(NA) Not Applicable	
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	<i>Contaminated grease and housing fits out of tolerance.</i>	
68.	Comments	<i>Both bearings contained contaminated grease and both housing fits show pitting and excessive wear. Also stator windings coated with excessive amounts of dirt.</i>	
69.	Service Technician	Terrence. Holland	

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	2.1662 "	
75.	DE Initial Shaft Bearing Fit Size 2	2.1663 "	
76.	DE Initial Shaft Bearing Fit Size 3	2.1662 "	
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	1.575 "	
82.	ODE Initial Shaft Bearing Fit Size 2	1.575 "	
83.	ODE Initial Shaft Bearing Fit Size 3	1.575 "	
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	(F) Fail	P129
			
94.	DE Initial Endbell Fit Size 1	4.7255 "	
95.	DE Initial Endbell Fit Size 2	4.7256 "	
96.	DE Initial Endbell Fit Size 3	4.7256 "	
	Housing fit pitted and measures too large.		
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		

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105. ODE Initial Endbell Fit Size 1	3.1505 "
106. ODE Initial Endbell Fit Size 2	3.1506 "
107. ODE Initial Endbell Fit Size 3	3.1505 "
Housing fit pitted and measures too large	
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	(NA) Not Applicable
112. ODE Endbell Air Seal Fit	
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

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