



AC Recondition Repair Report

FolderID: 97331
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Process & Power












1625 East 145th Street
Little Rock, AR 72206

Performed By: Nicholle Hanna
Date Completed: 9/15/2020

Priorities Found: 3 - High 13 - Good

General			
1. Job Number	97331		
2. Report Date			
3. Customer			
Name Plate Information			
4. Manufacturer	BALDOR		
5. Model			
6. Serial Number	B9066374-020		
7. Horsepower	300		
8. KW			
9. Volts	460		
10. Amps	350		
11. RPM	1725		
12. Frame	447TDZ		
13. Enclosure	ODP	P74	
14. Cycles	60		
15. Phase	3		
16. Service Factor	1.15		
17. Motor Mount Position	Horizontal		
Initial Inspection			
18. Number of Leads	6		
19. Lead Length	104 Inches	P20	
20. Lead Size	2	P37	
21. Lead Condition	(P) Pass		
22. Lead Markings	T1-T6	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	0.001		
27. Does Shaft Turn Freely	Yes		
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	P102		
32. Frame Condition	(P) Pass P104		
33. Fan Condition	(NA) Not Applicable		

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34.	Broken or missing components	None	
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	Ua	
	41. Surge Test	(F) Fail	
42.	Stator Condition	good	
43.	Failure Location	Drive end bottom right, facing motor, coil head.	P66
Initial Rotor Inspection			
44.	Rotor Type	Squirrel cage	P4
45.	Air Gap <10% Variation		
46.	Number of Rotor Bars	58	
47.	Number of Broken Rotor Bars	0	
	48. Growler Test	(P) Pass	
	49. Rotor Condition	(P) Pass	
Mechanical Inspection			
50.	Bearing Manufacture	NSK	P1
51.	Bearing DE Size	nu 222E/c3	P14
52.	Bearing DE Type	Roller	
53.	Bearing ODE Size	6318	P30
54.	Bearing ODE Type	regular ball bearing	
55.	Insulated Bearing	no	
56.	Lubrication Type	grease. unknown type	P57
	57. Grease Condition	(F) Fail	P64
	58. Bearing Retainers	(Y) Yes	
	Pass		
59.	Shaft Grounding Device	(NA) Not Applicable	
	60. DE Seal	(Y) Yes	P77
61.	DE Seal Type/Size	107 95*130*12	P81
62.	ODE Seal	(NA) Not Applicable	
63.	ODE Seal Type/Size	N/A	
Root Cause of Failure			
64.	Component Failure	windings	P2
65.	Cause of Failure		
	Possible debris.		
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	(P) Pass	
72.	DE Initial Shaft Bearing Fit Size 1	4.3328 "	
73.	DE Initial Shaft Bearing Fit Size 2	4.3325 "	
74.	DE Initial Shaft Bearing Fit Size 3	4.3325 "	
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	3.5436 "	
80.	ODE Initial Shaft Bearing Fit Size 2	3.5436 "	
81.	ODE Initial Shaft Bearing Fit Size 3	3.5435 "	P101
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	
92.	DE Initial Endbell Fit Size 1	7.88755 "	
93.	DE Initial Endbell Fit Size 2	7.8754 "	
94.	DE Initial Endbell Fit Size 3		
95.	DE Final Endbell Fit Size 1		
96.	DE Finial Endbell Fit Size 2		
97.	DE Final Endbell Fit Size 3		
98.	DE Endbell Fit Insulated	(NA) Not Applicable	
99.	DE Endbell Air Seal Fit		
100.	Initial Endbell Air Seal Fit Size		
101.	Finial Endbell Air Seal Fit Size		
102.	ODE Endbell Fit	(P) Pass	
103.	ODE Endbell Fit Insulated	(NA) Not Applicable	
104.	ODE Endbell Air Seal Fit		
105.	ODE Initial Endbell Seal Fit Size		
106.	ODE Finial Endbell Seal Fit Size		
107.	Foot Flatness	(P) Pass	
108.	Foot Condition	(P) Pass	
109.	Flange Condition	(P) Pass	
110.	Service Technician	Terrence Holland	
Balancing Report			
111.	Balance Type		
112.	Balance Operating Speed		
113.	Start Left End		

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114. Start Right End
115. Balancing Specification
116. Finish Left End
117. Finish Right End
118. Service Technician
Assembly and Final Test
119. Meggar Testing Reading
120. Surge Test
121. Hi-Pot
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
151. Service Technician

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P1.1



P2.2



P2.3



P2.4



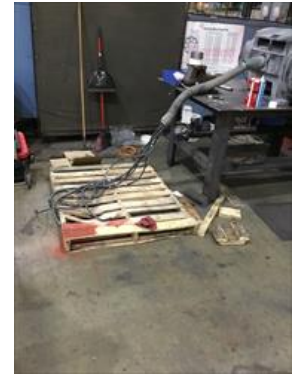
P4.5



P14.6



P14.7



P20.8



P30.9



P30.10



P30.11



P37.12



P50.13



P57.14



P64.15



P66.16



P74.17



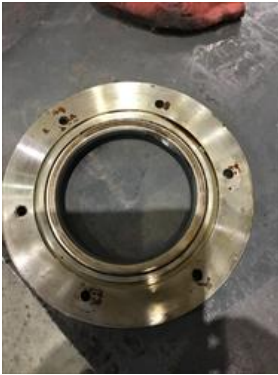
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P74.19



P77.20



P77.21



P81.22



P93.23



P101.24



P102.25



P102.26



P102.27



P102.28



P104.29



P104.30



P104.31



P104.32