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— EVERY DAY SINCE 1946 —

Motor Shop Repairs

Job Number 97592

Prepared for Kimberly Clark (10176-KCM)

500 Murphy Dr.
Maumelle AR 72113

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AC Recondition Repair Report

1.0

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

AC Recondition Repair Report

FolderID: 97592
FormID: 9419850

Kimberly Clark (10176-KCM)

500 Murphy Dr.
Maumelle, AR 72113

Priorities Found: ● 1 - High ● 14 - Good

General

1. Job Number	97592
2. Report Date	
3. Customer	KIMBERLY CLARK PARIS TEXAS

Name Plate Information




4. Manufacturer	BALDOR
5. Model	
6. Serial Number	N0712030025
7. Horsepower	700
8. KW	
9. Volts	4160
10. Amps	84
11. RPM	3580
12. Frame	5009S
13. Enclosure	ODP
14. Cycles	60
15. Phase	3
16. Service Factor	1.15
17. Motor Mount Position	F1

Initial Inspection





18. Number of Leads	3	
19. Lead Length	72 Inches	
20. Lead Size	2	
● 21. Lead Condition	(P) Pass	P42
22. Lead Markings	123	
23. Lug Size, Condition, and Type	Same, copper. Pass.	
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	P94
29. Bearing Rtd's		
30. Bearing Rtd's Condition		

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31.	Contamination <i>Dirt and grease</i>		P104
32.	Frame Condition	(P) Pass	P106
33.	Fan Condition	(P) Pass	P109
34.	Broken or missing components <i>Need new sleeve in front of drive end bearing</i>		
Initial Electric Test 			
35.	Resistance to Ground	Mohm	P7
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	(P) Pass	
42.	Stator Condition	very dirty, passes all tests. Suggest rewind.	P65
43.	Failure Location	Coils got very hot. Suggest rewind	
Initial Rotor Inspection			
44.	Rotor Type	copper bar	
45.	Air Gap <10% Variation		
46.	Number of Rotor Bars	40	
47.	Number of Broken Rotor Bars	0	
48.	Growler Test	(P) Pass	
49.	Rotor Condition	(P) Pass	
Mechanical Inspection 			
50.	Bearing Manufacture	skf	
51.	Bearing DE Size	6217 c3	P15
52.	Bearing DE Type	ball	
53.	DE Bearing Qty.	1	
54.	Bearing ODE Size	6217 c3vl0241 ceramic coating	P43
55.	Bearing ODE Type	ball	
56.	ODE Bearing Qty.	1	
57.	Insulated Bearing	yes	
58.	Lubrication Type	grease	
59.	Grease Condition	(F) Fail	
60.	Bearing Retainers	(Y) Yes	P80
61.	Shaft Grounding Device		
62.	DE Seal		
63.	DE Seal Type/Size		
64.	ODE Seal		
65.	ODE Seal Type/Size		
Root Cause of Failure 			
66.	Component Failure	bearings	P2
67.	Cause of Failure <i>Bearing fatigue</i>		

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68.	Comments		
	<i>Bearing cage came apart</i>		
69.	Service Technician	Trevor Hall	
			
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	3.3469 "	
75.	DE Initial Shaft Bearing Fit Size 2	3.3469 "	
76.	DE Initial Shaft Bearing Fit Size 3	3.347 "	
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	3.347 "	
82.	ODE Initial Shaft Bearing Fit Size 2	3.3469 "	
83.	ODE Initial Shaft Bearing Fit Size 3	3.3469 "	
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	5.9056 "	
95.	DE Initial Endbell Fit Size 2	5.9068 "	
96.	DE Initial Endbell Fit Size 3	5.9062 "	
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		
104.	ODE Endbell Fit	(P) Pass	P145
105.	ODE Initial Endbell Fit Size 1	5.9055 "	
106.	ODE Initial Endbell Fit Size 2	5.9057 "	
107.	ODE Initial Endbell Fit Size 3	5.9059 "	
108.	ODE Final Endbell Fit Size 1		

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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 Final Endbell Seal Fit Size	
● 115. Foot Flatness	(P) Pass
● 116. Foot Condition	(P) Pass
117. Flange Condition	
118. Service Technician	Trevor Hall
	

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

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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



P2.1



P7.2



P15.3



P15.4



P42.5



P43.6



P43.7



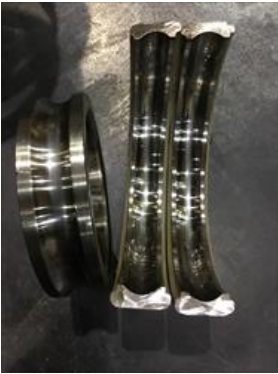
P43.8



P43.9



P43.10



P43.11

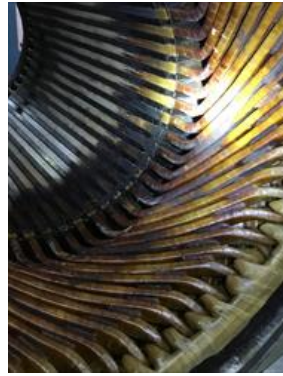


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P65.13



P65.14



P65.15



P65.16



P65.17



P80.18



P80.19



P94.20



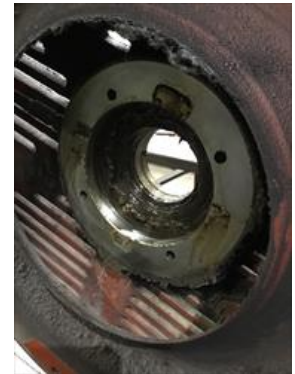
P104.21



P106.22



P109.23



P145.24



P145.25



P145.26

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