



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

AC Recondition Repair Report

Kimberly Clark (10176-KCM)
500 Murphy Dr.
Maumelle, AR 72113

FolderID: 97884
FormID: 10076192

Priorities Found: ● 1 - High ● 16 - Good

General

1. Job Number	97884
2. Report Date	
3. Customer	KIMBERLY-CLARK

Name Plate Information

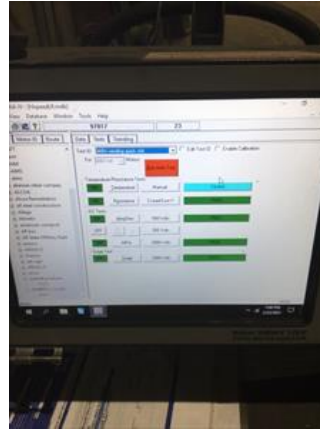
4. Manufacturer	GE	P5
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











5. Model	
6. Serial Number	RK6173045
7. Horsepower	150
8. KW	
9. Volts	460
10. Amps	161
11. RPM	1785
12. Frame	449T
13. Enclosure	TEFC
14. Cycles	60
15. Phase	3

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16.	Service Factor	1.15	
17.	Motor Mount Position		
Initial Inspection			
18.	Number of Leads	3	P13
			
19.	Lead Length	7 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		
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>Grease dirty</i>		
	32. Frame Condition	(P) Pass	
	33. Fan Condition	(P) Pass	P109
			
34.	Broken or missing components <i>Fan cover bolt broken off</i>		P113

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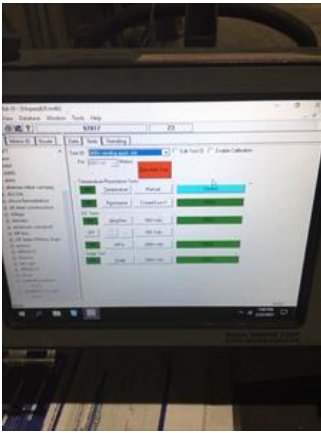
Initial Electric Test



35. Resistance to Ground

Mohm

P7



36. Winding Resistance 1-2

37. Winding Resistance 2-3

38. Winding Resistance 1-3

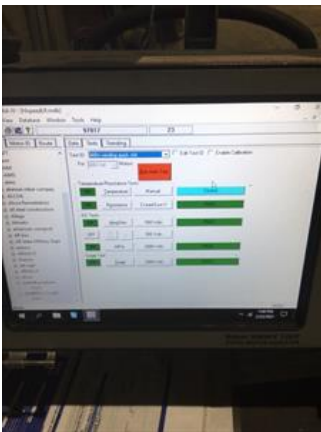
39. Resistive Imbalance

40. Hi-Pot

41. Surge Test

(P) Pass

P58



42. Stator Condition

pass

P65



43. Failure Location

Initial Rotor Inspection



44. Rotor Type

squirrel cage

P4



45. Air Gap <10% Variation

46. Number of Rotor Bars

0

47. Number of Broken Rotor Bars

● 48. Growler Test

(P) Pass

● 49. Rotor Condition

(P) Pass

Mechanical Inspection



50. Bearing Manufacture

koyo

P1



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51.	Bearing DE Size	nu6318	
52.	Bearing DE Type	NU	
53.	DE Bearing Qty.	1	
54.	Bearing ODE Size	6318Z/C3	
55.	Bearing ODE Type	regular ball bearing	
56.	ODE Bearing Qty.	1	
57.	Insulated Bearing	no	
58.	Lubrication Type	grease	
● 59.	Grease Condition	(F) Fail	P74



● 60.	Bearing Retainers	(Y) Yes
61.	Shaft Grounding Device	(NA) Not Applicable
62.	DE Seal	(NA) Not Applicable
63.	DE Seal Type/Size	
64.	ODE Seal	(NA) Not Applicable
65.	ODE Seal Type/Size	

Root Cause of Failure

66.	Component Failure	bearings
67.	Cause of Failure	<i>Contaminated grease</i>
68.	Comments	<i>Customer request modification for tach attachment on ode.</i>
69.	Service Technician	Terrence Holland
		

Machine Fit Inspection Report

● 70.	Shaft Run Out	(P) Pass
71.	Initial Shaft Run Out	0.002 "
72.	Final Shaft Run Out	0.002 "
● 73.	DE Bearing Shaft Fit	(P) Pass
74.	DE Initial Shaft Bearing Fit Size 1	3.5449 "
75.	DE Initial Shaft Bearing Fit Size 2	3.5448 "
76.	DE Initial Shaft Bearing Fit Size 3	3.5449 "

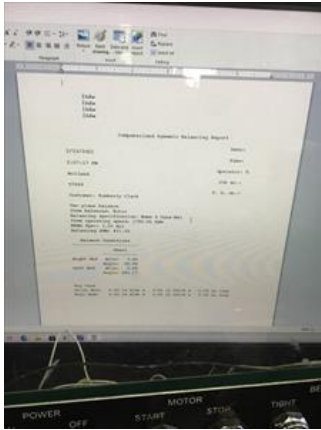
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77.	DE Finial Shaft Bearing Fit Size 1	3.5449 "
78.	DE Finial Shaft Bearing Fit Size 2	3.5449 "
79.	DE Finial Shaft Bearing Fit Size 3	3.5449 "
● 80.	ODE Bearing Shaft Fit	(P) Pass
81.	ODE Initial Shaft Bearing Fit Size 1	3.5434 "
82.	ODE Initial Shaft Bearing Fit Size 2	3.5434 "
83.	ODE Initial Shaft Bearing Fit Size 3	3.5434 "
84.	ODE Finial Shaft Bearing Fit Size 1	3.5434 "
85.	ODE Finial Shaft Bearing Fit Size 2	3.5434 "
86.	ODE Finial Shaft Bearing Fit Size 3	3.5434 "
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	7.4812 "
95.	DE Initial Endbell Fit Size 2	7.4814 "
96.	DE Initial Endbell Fit Size 3	7.4814 "
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	(P) Pass
105.	ODE Initial Endbell Fit Size 1	7.4809 "
106.	ODE Initial Endbell Fit Size 2	7.4811 "
107.	ODE Initial Endbell Fit Size 3	7.4809 "
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	
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	(NA) Not Applicable
118.	Service Technician	Terrence Holland
		

Balancing Report



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120. Balance Operating Speed

RPM

121. Start Left End

122. Start Right End

123. Balancing Specification

124. Finish Left End

125. Finish Right End

126. Service Technician

Terrence Holland

Assembly and Final Test



127. Meggar Testing Reading

Mohm

P3



128. Surge Test

(P) Pass

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

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136. Test Run Amps B	
137. Test Run Voltage Phase C	
138. Test Run Amps C	
139. DE Horizontal Vibration Reading	0.06 In/Sec
140. DE Vertical Vibration Reading	0.04 In/Sec
141. DE Axial Vibration Reading	0.02 In/Sec
142. ODE Horizontal Vibration Reading	4 In/Sec
143. ODE Vertical Vibration Reading	0.05 In/Sec
144. ODE Axial Vibration Reading	0.03 In/Sec
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	

P136



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159. Service Technician

Terrence Holland

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