

Motor Shop Repairs

Job Number 98150

Prepared for Kimberly Clark (10176-KCM)

500 Murphy Dr. Maumelle AR 72113

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AC Recondition Repair Report

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

Priorities Found: **2 - High**

11 - Good

General		
1.	Job Number	98150
2.	Report Date	4/28/2021
3.	Customer	KIMBERLY CLARK







Name Plate Information

Manufacturer **BALDOR**









	AND	
5.	Model	A4411G2945-R001
6.	Serial Number	A1602012044
7.	Horsepower	250
8.	KW	
9.	Volts	460
10.	Amps	277
11.	RPM	1790
12.	Frame	449T
13.	Enclosure	TEFC
14.	Cycles	60
15.	Phase	3
16.	Service Factor	1.00
17.	Motor Mount Position	
Initial Inspection		
18.	Number of Leads	6
19.	Lead Length	24 Inches
20.	Lead Size	



21.	Lead Condition	(P) Pass
22.	Lead Markings	11 22 33

23. Lug Size, Condition, and Type



24. Winding RTD's



2	25.	Winding Rtd's Condition	
2	26.	Shaft Run Out	
2	27.	Does Shaft Turn Freely	yes
2	28.	Does Shaft Have Visible Damage	
2	29.	Bearing Rtd's	
3	30.	Bearing Rtd's Condition	
3	31.	Contamination	
• 3	32.	Frame Condition	(P) Pass
• 3	33.	Fan Condition	(P) Pass



34. Broken or missing components

Initial Electric Test

35. Resistance to Ground **0 Mohm**

36. Winding Resistance 1-2

37. Winding Resistance 2-3

38. Winding Resistance 1-3

39. Resistive Imbalance

40. Hi-Pot

41. Surge Test

Rewind turn to turn short or a electrical spick





(NA) Not Applicable

42. Stator Condition rewind

Ground in slot





43. Failure Location turn to turn short

Initial Rotor Inspection

44. Rotor Type cast aluminum



- 45. Air Gap <10% Variation
- 46. Number of Rotor Bars
- 47. Number of Broken Rotor Bars
- 48. Growler Test
- 49. Rotor Condition

Mechanical Inspection

50. Bearing Manufacture

Nachi and SKF

6318C3

51. Bearing DE Size





52. Bearing DE Type ball bearing

53. DE Bearing Qty.

i4. Bearing ODE Size 6318C3 VL0241





55. Bearing ODE Type56. ODE Bearing Qty.1

57. Insulated Bearing yes

58. Lubrication Type grease

■ 59. Grease Condition (NA) Not Applicable





(Y) Yes

60. Bearing Retainers



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
- 67. Cause of Failure

68.	Comments	
69.	Service Technician	
Machine Fit Inspection Report		
70.	Shaft Run Out	
71.	Initial Shaft Run Out	
72.	Final Shaft Run Out	
73.	DE Bearing Shaft Fit	(F) Fail
74.	DE Initial Shaft Bearing Fit Size 1	3.5428 "
75.	DE Initial Shaft Bearing Fit Size 2	3.5428 "
76.	DE Initial Shaft Bearing Fit Size 3	3.5428 "
77.	DE Finial Shaft Bearing Fit Size 1	3.5439 "



78.	DE Finial Shaft Bearing Fit Size 2	3.5439 "
79.	DE Finial Shaft Bearing Fit Size 3	3.5439 "
8 0.	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	
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	

8	39.	DE Final Air Seal Shaft Size
9	90.	ODE Air Seal Shaft Fit
9	91.	ODE Initial Air Seal Shaft Size
9	92.	ODE Final Air Seal Shaft Size
• 9	93.	DE Endbell Fit (NA) Not Applicable



7.4814 "	DE Initial Endbell Fit Size 1
7.4814 "	DE Initial Endbell Fit Size 2
7.4814 "	DE Initial Endbell Fit Size 3
"	DE Final Endbell Fit Size 1
	DE Finial Endbell Fit Size 2
	DE Final Endbell Fit Size 3
(NA) Not Applicable	. DE Endbell Fit Insulated
	. DE Endbell Air Seal Fit
	. Initial Endbell Air Seal Fit Size
	Finial Endbell Air Seal Fit Size
(F) Fail	ODE Endbell Fit
7.4894 "	ODE Initial Endbell Fit Size 1
7.4894 "	ODE Initial Endbell Fit Size 2
7.4894 "	ODE Initial Endbell Fit Size 3
7.481 "	ODE Final Endbell Fit Size 1
7.4809 "	ODE Final Endbell Fit Size 2
7.4809 "	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	
118. Service Technician	RW
RH	
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

85.900000000001 Amps

462 Volts





138. Test Run Amps C	81.099999999999 Amps
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	

158. Motor Paint
(P) Pass



159. Service Technician CW





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- 8. WARRANTIES. Hi-Speed warrants that all goods shall conform in all material aspects to the goods identified in the quotation to Buyer and/or purchase order, and Hi-Speed makes to Buyer the manufacturer's express warranty for any goods sold to Buyer, which is offered by the manufacturer at the time of acceptance of any quotation by Buyer. This warranty is conditioned upon the installation, operation, and maintenance of the goods in accordance with the manufacturer's recommendations and/or standard industry practice and the goods at all times being operated or used under normal operating conditions for which they were designed. Hi-Speed, at its sole option, will repair or

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- 11. **GOVERNING LAW AND JURISDICTION.** Any controversy arising out of any quotation, the purchase order, the goods sold or delivered, repair or replacement thereof, or any services provided pursuant to any quotation or any purchase order, or these Standard Terms and Conditions shall be governed by the laws of the state of Tennessee without regard to any choice of law provisions and any cause of action related in any manner thereto shall be brought only in the state or federal courts of Shelby County, Tennessee.
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