

Motor Shop Repairs

Job Number 97893

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 Performed By: Motor Shop LR 2 Date Completed: 2/26/2021

Priorities Found: 17 - Good

Priorities Found: 17 - Good			
General			
1.	Job Number	97893	
2.	Report Date	2/25/2021	
3.	Customer	KIMBERLY CLARK	
Name	Plate Information		
4.	Manufacturer	G.E.	
5.	Model	5KAF449SS229P	
6.	Serial Number	PGG124038	
7.	Horsepower	150	
8.	KW		
9.	Volts	460	
10.	Amps	160	
11.	RPM	1790	
12.	Frame	449T	
13.	Enclosure	TEFC	
14.	Cycles	60	
15.	Phase	3	
16.	Service Factor	1.15	
17.	Motor Mount Position		
Initial Inspection			
18.	Number of Leads	6	
19.	Lead Length	16 Inches	
20.	Lead Size	2	





22.	Lead Markings	123789
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	(NA) Not Applicable
3 0.	Bearing Rtd's Condition	(NA) Not Applicable
31.	Contamination	
	No	
32.	Frame Condition	(P) Pass
33.	Fan Condition	(P) Pass



34. Broken or missing components

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

41. Surge Test (P) Pass



42. Stator Condition Good





43. Failure Location

Initial Rotor Inspection

44. Rotor Type Cast aluminum



45.	Air Gap <10% Variation	
46.	Number of Rotor Bars	58
47.	Number of Broken Rotor Bars	0
48.	Growler Test	(P) Pass





Mechanical Inspection50. Bearing ManufactureKoyo51. Bearing DE Size6318ZZ



52. Bearing DE Type	Ball
53. DE Bearing Qty.	1
54. Bearing ODE Size	6318ZZ



55. Bearing ODE Type	Ball
56. ODE Bearing Qty.	1

57.	Insulated Bearing	no
58.	Lubrication Type	Grease
59.	Grease Condition	(NA) Not Applicable
60.	Bearing Retainers	
61.	Shaft Grounding Device	
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	
Mach	ine Fit Inspection Report	
70.	Shaft Run Out	
71.	Initial Shaft Run Out	
72.	Final Shaft Run Out	
73.	DE Bearing Shaft Fit	(P) Pass
74.	DE Initial Shaft Bearing Fit Size 1	3.5436 "
75.	DE Initial Shaft Bearing Fit Size 2	3.5436 "
76.	DE Initial Shaft Bearing Fit Size 3	3.5436 "
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	3.5438 "
82.	ODE Initial Shaft Bearing Fit Size 2	3.5438 "
83.	ODE Initial Shaft Bearing Fit Size 3	3.5438 "
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	

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94. DE Initial Endbell Fit Size 1	7.4809 "
95. DE Initial Endbell Fit Size 2	7.4809 "
96. DE Initial Endbell Fit Size 3	7.4809 "
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	7.4814 "
106. ODE Initial Endbell Fit Size 2	7.4814 "
107. ODE Initial Endbell Fit Size 3	7.4814 "
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 Finial Endbell Seal Fit Size	

115. Foot Flatness	(P) Pass
116. Foot Condition	(P) Pass
117. Flange Condition	(NA) Not Applicable
118. Service Technician	RW
Balancing Report	

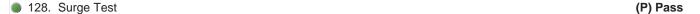
Two Plane Balance

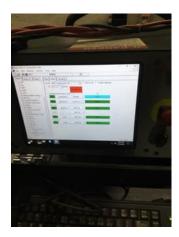


119. Balance Type

120. Balance Operating Speed	400 RPM
121. Start Left End	0.82 Mills
122. Start Right End	0.64 Mills
123. Balancing Specification	.5
124. Finish Left End	0.37 Mills
125. Finish Right End	0.17 Mills
126. Service Technician	RW
Assembly and Final Test	
127. Meggar Testing Reading	5240 Mohm







129. Hi-Pot
130. Winding Resistance 1-2
131. Winding Resistance 2-3
132. Winding Resistance 1-3
133. Test Run Voltage Phase A
457 Volts



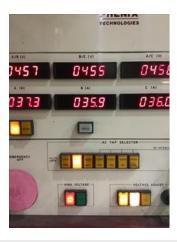
134. Test Run Amps A

135. Test Run Voltage Phase B

455 Volts



136. Test Run Amps B35.9 Amps137. Test Run Voltage Phase C458 Volts



138. Test Run Amps C	36 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	
157. Temp at 60 minutes	
158. Motor Paint	(P) Pass





159. Service Technician RW



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- 1. APPLICABILITY. The sale of any and all goods and/or services by Mock, Inc. d/b/a Hi-Speed Industrial Service ("Hi-Speed") shall be specifically conditioned upon and subject to the following terms and conditions which are incorporated by reference into any contracts and purchase orders with Hi-Speed, and which shall form and become a part of any agreement related thereto. Buyer's acceptance of any offer or quotation made by Hi-Speed for sale of any goods or services is expressly made subject to the terms and conditions set forth herein and to be so effective, Buyer need not sign or approve these Terms and Conditions to be bound hereunder provided a copy of same is provided to Buyer through any means. None of the terms and conditions contained herein may be added to, expanded, changed, modified, superseded or otherwise altered except as revised in writing and duly executed by Hi-Speed, and all orders received by Hi-Speed shall be governed only by the terms and conditions contained herein, notwithstanding any terms, conditions or provisions of any purchase order, release order, authorization or any other form issued by the Buyer. Hi-Speed hereby objects to any additional, modified, changed, deleted, altered or other terms and conditions not contained herein and notifies Buyer that any such terms or provisions are expressly rejected by Hi-Speed.
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- 5. <u>DELIVERY OF GOODS AND/OR SERVICES.</u> Unless otherwise identified in the quotation, all shipments are F.O.B. Hi-Speed's warehouse and the title to and all risk of loss with respect to any goods shipped shall pass to Buyer when such goods are delivered to the carrier at Hi-Speed's warehouse. Hi-Speed will use its best efforts to affect delivery by the date or dates specified in the quotation. However, Hi-Speed shall not be liable for delay in or failure to make shipment, or to perform services, by any identified date for any reason whatsoever, including but not limited to, causes beyond its reasonable control, such as strikes, fires, floods, epidemics, quarantines, restrictions, severe weather, embargos, acts of God, or public enemy, war, riot, delays in transportation or the inability to obtain necessary labor, materials or manufacturing facilities.
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- 8. <u>WARRANTIES.</u> 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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