

Motor Shop Repairs

Job Number 97883

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: 15 - Good

Thomas Found. 10 Cook		
General		
1.	Job Number	97883
2.	Report Date	
3.	Customer	KIMBERLY-CLARK
Name	Name Plate Information	

4. Manufacturer GE











5.	Model	5KAF449SS229BP
6.	Serial Number	NO: FA639674A
7.	Horsepower	150
8.	KW	
9.	Volts	460
10.	Amps	
11.	RPM	1785
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	3
19.	Lead Length	12 Inches
20.	Lead Size	1
2 1.	Lead Condition	(P) Pass



22.	Lead Markings	#1 #2 #3
23.	Lug Size, Condition, and Type	
	Good	
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
30.	Bearing Rtd's Condition	(NA) Not Applicable
31.	Contamination	
	No	
32.	Frame Condition	(P) Pass

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33. Fan Condition (P) Pass



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

42. Stator Condition

- 40. Hi-Pot
- 41. Surge Test

(P) Pass

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
	49.	Rotor Condition	(P) Pass
M	echa	nical Inspection	
	50.	Bearing Manufacture	KOYO
	51.	Bearing DE Size	6318ZZ





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	(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	
R	oot (Cause of Failure	
	66.	Component Failure	
	67.	Cause of Failure	
	68.	Comments	
	69.	Service Technician	
M	lachi	ne 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	3.5439 "
	75.	DE Initial Shaft Bearing Fit Size 2	3.5439 "
	76.	DE Initial Shaft Bearing Fit Size 3	3.5439 "
	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	3.5437 "
	82.	ODE Initial Shaft Bearing Fit Size 2	3.5437 "
	83.	ODE Initial Shaft Bearing Fit Size 3	3.5437 "
	84.	ODE Finial Shaft Bearing Fit Size 1	
	85.	ODE Finial Shaft Bearing Fit Size 2	

93.	DE Endbell Fit	(P) Pass
92.	ODE Final Air Seal Shaft Size	
91.	ODE Initial Air Seal Shaft Size	
90.	ODE Air Seal Shaft Fit	
89.	DE Final Air Seal Shaft Size	
88.	DE Initial Air Seal Shaft Size	
87.	DE Air Seal Shaft Fit	
86.	ODE Finial Shaft Bearing Fit Size 3	



94.	DE Initial Endbell Fit Size 1	7.5811 "
95.	DE Initial Endbell Fit Size 2	7.4811 "
96.	DE Initial Endbell Fit Size 3	7.4811 "
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



105. ODE Initial Endbell Fit Size 1	7.482 "
106. ODE Initial Endbell Fit Size 2	7.482 "
107. ODE Initial Endbell Fit Size 3	7.482 "

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
	ODE Endbell Air Seal Fit
	ODE Initial Endbell Seal Fit Size
	ODE Finial Endbell Seal Fit Size ODE Finial Endbell Seal Fit Size
	Foot Flatness (P) Pass
	Foot Condition (P) Pass
117.	Flange Condition
118.	Service Technician RW
Balan	ring Report
119.	Balance Type
120.	Balance Operating Speed
121.	Start Left End
122.	Start Right End
	Balancing Specification
	Finish Left End
	Finish Right End
	Service Technician
	bly and Final Test
	Meggar Testing Reading
	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
	Test Run Amps C
	DE Horizontal Vibration Reading
	DE Vertical Vibration Reading
	DE Axial Vibration Reading
	ODE Horizontal Vibration Reading
	•
	ODE Vertical Vibration Reading
	ODE Axial Vibration Reading
	Ambient Temp at start of Test Run
	Temp at 5 minutes
	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	
159. Service Technician	



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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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