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

AC Recondition Repair Report

FolderID: 97751
FormID: 9785026

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

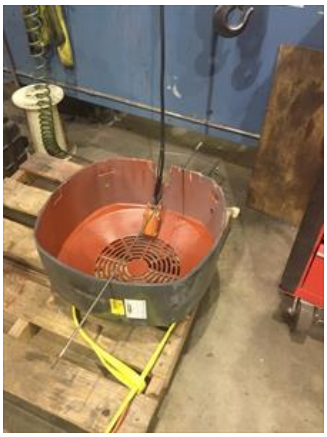
Priorities Found: **8 - Good**

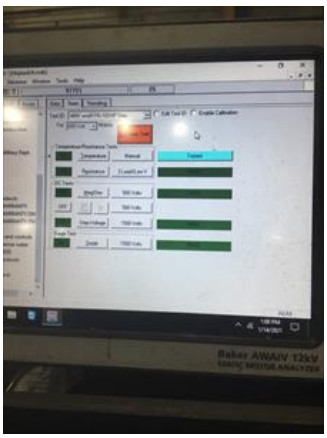
General

1.	Job Number	**97751**	
2.	Report Date		
3.	Customer	**KIMBERLY CLARK MAUMELLE**	

Name Plate Information

4.	Manufacturer	**GE**	P5





5.	Model	**5KAF449SS229BP**
6.	Serial Number	**FGG131033**
7.	Horsepower	**150**
8.	KW	
9.	Volts	**460**
10.	Amps	**160**
11.	RPM	**1785**
12.	Frame	**449T**
13.	Enclosure	**TEFC**
14.	Cycles	**60**
15.	Phase	**3**

16.	Service Factor		
17.	Motor Mount Position		

Initial Inspection

18.	Number of Leads	**6**	P13

19.	Lead Length	**9.75 Inches**	
20.	Lead Size		
21.	Lead Condition	**(P) Pass**	P42

22.	Lead Markings		
23.	Lug Size, Condition, and Type		P67

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		
32.	Frame Condition	**(P) Pass**	P106

33.	Fan Condition	**(P) Pass**	P109

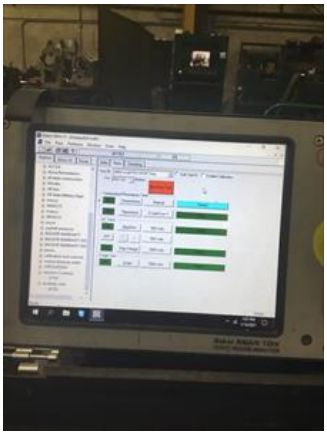
34. Broken or missing components

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		
40.	Hi-Pot		

41.	Surge Test	**(P) Pass**	P58



42.	Stator Condition	**good**	P65

43.	Failure Location	

Initial Rotor Inspection

44.	Rotor Type	**squirrel cage**
45.	Air Gap <10% Variation	
46.	Number of Rotor Bars	
47.	Number of Broken Rotor Bars	
48.	Growler Test	
49.	Rotor Condition	**(P) Pass**

Mechanical Inspection

50.	Bearing Manufacture	**SKF**

51.	Bearing DE Size	**nu318-E-XL-M1-C3**	P15

52.	Bearing DE Type	**NU**	P23

53.	DE Bearing Qty.	**1**	
54.	Bearing ODE Size	**6318 2Z/C3**	P43

55.	Bearing ODE Type	**regular ball bearing**	P53

	56.	ODE Bearing Qty.	**1**	
	57.	Insulated Bearing	**no**	
	58.	Lubrication Type	**polyrex**	P69

●	59.	Grease Condition	**(P) Pass**	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	**none**
67.	Cause of Failure	
68.	Comments	
	Customer requests tach shaft extension be-added to O.D.E	
69.	Service Technician	**Terrence Holland**

Machine Fit Inspection Report

70.	Shaft Run Out	
71.	Initial Shaft Run Out	
72.	Final Shaft Run Out	
73.	DE Bearing Shaft Fit	
74.	DE Initial Shaft Bearing Fit Size 1	
75.	DE Initial Shaft Bearing Fit Size 2	
76.	DE Initial Shaft Bearing Fit Size 3	
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	
81.	ODE Initial Shaft Bearing Fit Size 1	
82.	ODE Initial Shaft Bearing Fit Size 2	
83.	ODE Initial Shaft Bearing Fit Size 3	
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	
94.	DE Initial Endbell Fit Size 1	
95.	DE Initial Endbell Fit Size 2	
96.	DE Initial Endbell Fit Size 3	
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	P145

105.	ODE Initial Endbell Fit Size 1	
106.	ODE Initial Endbell Fit Size 2	
107.	ODE Initial Endbell Fit Size 3	
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	
116.	Foot Condition	**(P) Pass**
117.	Flange Condition	**(NA) Not Applicable**
118.	Service Technician	

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
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