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

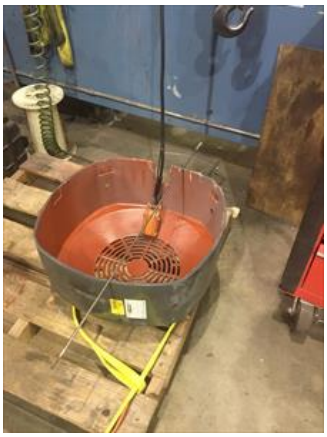
Priorities Found: **9 - Good**

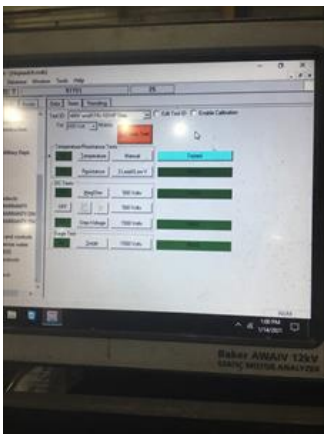
General

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

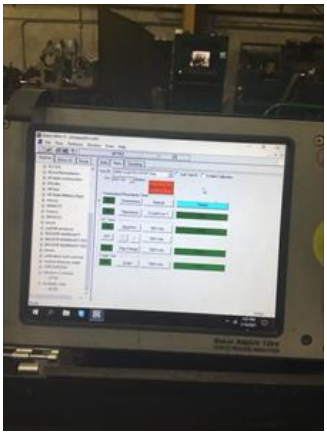
33.	Fan Condition	**(P) Pass**	P109

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	**Mohm**	
	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	**(P) Pass**	
	159. Service Technician	**Terrence Holland**	P137