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

AC Recondition Repair Report

FolderID: 98260
FormID: 10717416

Ring Container Technologies (11634)
9000 Frazier Pike
Little Rock, AR 72206

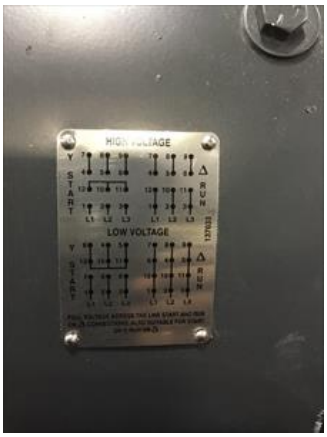
Priorities Found: **1 - High** **12 - Good**

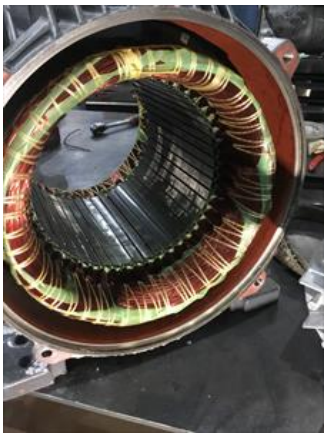
General

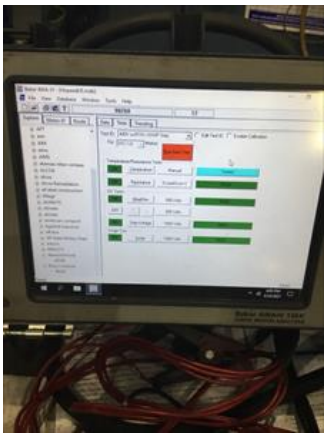
1.	Job Number	**98260**
2.	Report Date	**05/24/2021**
3.	Customer	**RING CONTAINER**

Name Plate Information

4.	Manufacturer	**U.S. MOTORS**	P5







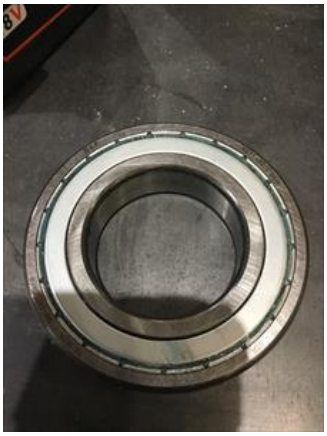
	5.	Model	**GC05**
	6.	Serial Number	**CAT# HD50P2E**
	7.	Horsepower	**50**
	8.	KW	
	9.	Volts	**460**
	10.	Amps	**56**
	11.	RPM	**1780**
	12.	Frame	**326T**
	13.	Enclosure	**DP**
	14.	Cycles	**60**
	15.	Phase	**3**
	16.	Service Factor	**1.15**
	17.	Motor Mount Position	
Initial Inspection			
	18.	Number of Leads	**12**
	19.	Lead Length	**11 Inches**
	20.	Lead Size	
●	21.	Lead Condition	**(P) Pass**
	22.	Lead Markings	**1-12**
	23.	Lug Size, Condition, and Type ***Good***	
	24.	Winding RTD's	
	25.	Winding Rtd's Condition	
	26.	Shaft Run Out	**0.001**
	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**

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

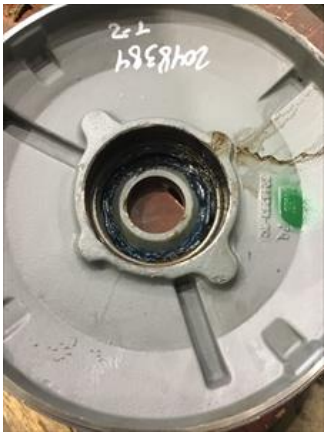
34.	Broken or missing components		
Initial Electric Test			
35.	Resistance to Ground		
36.	Winding Resistance 1-2		
37.	Winding Resistance 2-3		
38.	Winding Resistance 1-3		
39.	Resistive Imbalance		
40.	Hi-Pot		
41.	Surge Test	**(P) Pass**	
42.	Stator Condition	**pass**	
43.	Failure Location		
Initial Rotor Inspection			
44.	Rotor Type	**squirrel cage laminate**	
45.	Air Gap <10% Variation		
46.	Number of Rotor Bars		
47.	Number of Broken Rotor Bars	**0**	
48.	Growler Test	**(P) Pass**	
49.	Rotor Condition		
Mechanical Inspection			
50.	Bearing Manufacture	**Skf/peer**	
51.	Bearing DE Size	**6311**	P15

52.	Bearing DE Type		

53.	DE Bearing Qty.	**1**	
54.	Bearing ODE Size	**6211 2Z**	P43



55.	Bearing ODE Type		
56.	ODE Bearing Qty.	**1**	
57.	Insulated Bearing	**no**	
58.	Lubrication Type	**grease**	
59.	Grease Condition	**(F) Fail**	P74



60.	Bearing Retainers	**(NA) Not Applicable**
61.	Shaft Grounding Device	**(NA) Not Applicable**
62.	DE Seal	
63.	DE Seal Type/Size	
64.	ODE Seal	
65.	ODE Seal Type/Size	

Root Cause of Failure

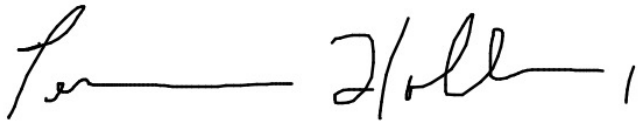
66.	Component Failure	
67.	Cause of Failure ***Recondition***	
68.	Comments ***Customer request***	

	69.	Service Technician	**Terrence. Holland**

Machine Fit Inspection Report

●	70.	Shaft Run Out	**(P) Pass**
	71.	Initial Shaft Run Out	**0.001 "**
	72.	Final Shaft Run Out	
●	73.	DE Bearing Shaft Fit	**(P) Pass**
	74.	DE Initial Shaft Bearing Fit Size 1	**2.1656 "**
	75.	DE Initial Shaft Bearing Fit Size 2	**2.1655 "**
	76.	DE Initial Shaft Bearing Fit Size 3	**2.1656 "**
	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	**2.1655 "**
	82.	ODE Initial Shaft Bearing Fit Size 2	**2.1656 "**
	83.	ODE Initial Shaft Bearing Fit Size 3	**2.1655 "**
	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	**(P) Pass**
	94.	DE Initial Endbell Fit Size 1	**4.7253 "**
	95.	DE Initial Endbell Fit Size 2	**4.7252 "**
	96.	DE Initial Endbell Fit Size 3	**4.7253 "**
	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	**3.937 "**
	106.	ODE Initial Endbell Fit Size 2	**3.937 "**
	107.	ODE Initial Endbell Fit Size 3	**3.9371 "**
	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	
118.	Service Technician	**Terrence. Holland**



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	**Degrees F.**
158.	Motor Paint	
159.	Service Technician	