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

AC Recondition Repair Report

FolderID: 98454
FormID: 11139670

Remington (10243)
2592 AR Hwy 15 N
Lonoke, AR 72086

Priorities Found: **2 - High** **14 - Good**

General

1.	Job Number	**98454**
2.	Report Date	**07/15/2021**
3.	Customer	**10243**

Name Plate Information

4.	Manufacturer	**BALDOR ELECTRIC** P5

	5.	Model	**85600H24**
	6.	Serial Number	**Z2103290257**
	7.	Horsepower	**15**
	8.	KW	
	9.	Volts	
	10.	Amps	**35**
	11.	RPM	**3520**
	12.	Frame	**254TCZ**
	13.	Enclosure	**TEFC**
	14.	Cycles	
	15.	Phase	**3**
	16.	Service Factor	**1.15**
	17.	Motor Mount Position	
Initial Inspection			
	18.	Number of Leads	**9**
	19.	Lead Length	**12 Inches**
	20.	Lead Size	**10**
●	21.	Lead Condition	**(P) Pass**
	22.	Lead Markings	**printed 1-9**
	23.	Lug Size, Condition, and Type ***None***	
	24.	Winding RTD's	**(NA) Not Applicable**
●	25.	Winding Rtd's Condition	**(NA) Not Applicable**

	26.	Shaft Run Out		
	27.	Does Shaft Turn Freely	**no**	
	28.	Does Shaft Have Visible Damage	**no**	
	29.	Bearing Rtd's	**(NA) Not Applicable**	
●	30.	Bearing Rtd's Condition	**(NA) Not Applicable**	
	31.	Contamination		
●	32.	Frame Condition	**(P) Pass**	
●	33.	Fan Condition	**(F) Fail**	
	34.	Broken or missing components ***Fan melted***		
Initial Electric Test				
	35.	Resistance to Ground	**5000 Mohm**	
	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	**clean**	
	43.	Failure Location		
Initial Rotor Inspection				
	44.	Rotor Type	**cast aluminum**	
	45.	Air Gap <10% Variation		
	46.	Number of Rotor Bars	**30**	
	47.	Number of Broken Rotor Bars		
●	48.	Growler Test	**(P) Pass**	
●	49.	Rotor Condition	**(P) Pass**	
Mechanical Inspection				
	50.	Bearing Manufacture	**SKF**	P1

	51.	Bearing DE Size	**7309**	
	52.	Bearing DE Type	**angular contact**	
	53.	DE Bearing Qty.	**1**	
	54.	Bearing ODE Size	**6208**	
	55.	Bearing ODE Type	**deep groove ball**	
	56.	ODE Bearing Qty.	**1**	
	57.	Insulated Bearing		

	58.	Lubrication Type	**polyrex**
●	59.	Grease Condition	**(F) Fail**
	60.	Bearing Retainers	**(NA) Not Applicable**
	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	**ODE bearing**
	67.	Cause of Failure ***Metal fatigue***	
	68.	Comments ***Replace Fan, 6208, 7309***	
	69.	Service Technician	**David Maclin**

Machine 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	**1.7722 "**
	75.	DE Initial Shaft Bearing Fit Size 2	**1.7723 "**
	76.	DE Initial Shaft Bearing Fit Size 3	**1.7722 "**
	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	**1.5752 "**
	82.	ODE Initial Shaft Bearing Fit Size 2	**1.5753 "**
	83.	ODE Initial Shaft Bearing Fit Size 3	**1.5753 "**
	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	
	95.	DE Initial Endbell Fit Size 2	
	96.	DE Initial Endbell Fit Size 3	

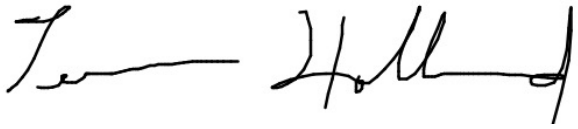
	97.	DE Final Endbell Fit Size 1	
	98.	DE Finial Endbell Fit Size 2	
	99.	DE Final Endbell Fit Size 3	
	100.	DE Endbell Fit Insulated	
	101.	DE Endbell Air Seal Fit	
	102.	Initial Endbell Air Seal Fit Size	
	103.	Finial Endbell Air Seal Fit Size	
●	104.	ODE Endbell Fit	**(P) Pass**
	105.	ODE Initial Endbell 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	**(NA) Not Applicable**
●	116.	Foot Condition	**(NA) Not Applicable**
●	117.	Flange Condition	**(P) Pass**
	118.	Service Technician	**David Maclin**

Balancing Report

	119.	Balance Type	**nema standard** P6

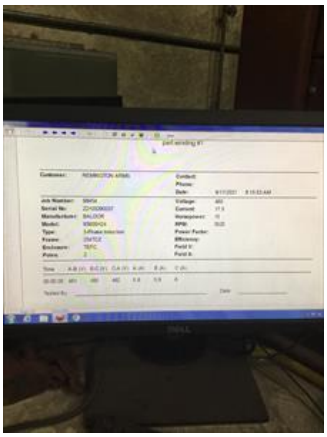
	120.	Balance Operating Speed
	121.	Start Left End
	122.	Start Right End
	123.	Balancing Specification
	124.	Finish Left End
	125.	Finish Right End

126.	Service Technician	**Terrence. Holland**



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	P136



159. Service Technician **Terrence. Holland**