

# 

# Motor Shop Repairs

## Job Number 98453

Prepared for Remington (10243)

2592 AR Hwy 15 N Lonoke AR 72086

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> FolderID: 98453 FormID: 11139629

### **AC Recondition Repair Report**

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

Priorities Found: **a 3 - High** 

13 - Good

	-	
General		
1. Job Num	ber	98453
2. Report D	ate	7/15/2021
<ol><li>Custome</li></ol>	er	10243

#### **Name Plate Information**

Manufacturer









**BALDOR ELECTRIC** 













5.	Model	85600H24	
6.	Serial Number	Z1810301367	
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



19. Lead Length
20. Lead Size
21. Lead Condition
(P) Pass



22.	Lead Markings	1-9
23.	Lug Size, Condition, and Type	
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	
29.	Bearing Rtd's	
30.	Bearing Rtd's Condition	
31.	Contamination	



32. Frame Condition

(P) Pass



33. Fan Condition

(P) Pass



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

42. Stator Condition
43. Failure Location

(F) Fail
pass

#### **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

48. Growler Test

● 49. Rotor Condition (P) Pass

#### **Mechanical Inspection**

50. Bearing Manufacture Skf





51.	Bearing DE Size	7309	
52.	Bearing DE Type	thrust	
53.	DE Bearing Qty.	1	







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55.	Bearing ODE Type	regular ball bearing
56.	ODE Bearing Qty.	1
57.	Insulated Bearing	no
58.	Lubrication Type	grease
59.	Grease Condition	(F) Fail
	Contaminated	





60. Bearing Retainers(Y) Yes



61	Shaft Grounding Device	(NA) Not Applicable
	DE Seal	(ITT) NOT Applicable
63.	DE Seal Type/Size	
64.	ODE Seal	
65.	ODE Seal Type/Size	
Root	Cause of Failure	
66.	Component Failure	O.d.e. housing fit pitted.
67.	Cause of Failure	
	Contaminated grease and bad housing fit.	
68.	Comments	
	Service Technician	Terrence, Holland

Machine Fit Inspection Report

IV	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	1.7722 "		
	75.	DE Initial Shaft Bearing Fit Size 2	1.7722 "		
	76.	DE Initial Shaft Bearing Fit Size 3	1.7723 "		
	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	1.5752 "		
	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	3.9372 "
95.	DE Initial Endbell Fit Size 2	3.9372 "
96.	DE Initial Endbell Fit Size 3	3.9374 "
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	(F) Fail
-	Pitted	
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 Terrence. Holland

Levence Hollon

#### **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	0.0171 ln/Sec
140.	DE Vertical Vibration Reading	0.0135 ln/Sec
141.	DE Axial Vibration Reading	0.0106 ln/Sec
142.	ODE Horizontal Vibration Reading	0.0145 In/Sec
143.	ODE Vertical Vibration Reading	0.0172 ln/Sec
144.	ODE Axial Vibration Reading	0.01 ln/Sec
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	
<b>158.</b>	Motor Paint	(P) Pass





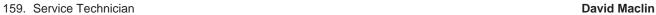














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