

# Motor Shop Repairs

## Job Number 99884

Prepared for Remington (10243)

2592 AR Hwy 15 N Lonoke AR 72086

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AC Recondition As Found - MOTOR SHOP LR

AC Recondition - Rev. 2: Z0701100149

1.0



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

> FolderID: 99884 FormID: 13774511

### **AC Recondition As Found**

Remington (10243)

2592 AR Hwy 15 N Lonoke, AR 72086

#### AC Recondition - Rev. 2

 Location:
 MOTOR SHOP LR

 Serial Number:
 Z0701100149

**Description:**20HP BALDOR 1800RPM 254TDZ

Hi-Speed Job Number:	99884
Manufacturer:	Baldor
Product Number:	09F261X255G1
Serial Number:	Z0701100149
HP/kW:	20 (HP)
RPM:	1760 (RPM)
Frame:	254TDZ
Voltage:	230 / 460
Current:	50/25
Phase:	Three
Hz:	60 (Hz)
Service Factor:	1.15
Enclosure:	TEFC
J-box Included:	Half
Coupling/Sheave:	None
Date Received:	06/06/2022
Bearing RTDs:	No
Stator RTDs:	No
Repair Stage:	Teardown Inspection
Heaters:	No
Winding Type :	Random Wound
Bearing Type:	Rolling Element

Priorities Found: 4 - High



4 - Good

#### **Overall Condition**

1. Report Date 06/08/2022

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#### 2. Nameplate Picture































3. Describe the Overall Condition of the Equipment as Received Dirty,fan cover removed,bolts missing.

#### **Initial Mechanical/Electrical**

4	4.	Does Shaft Turn Freely?	(No) No
5	5.	Does Shaft Have Visible Damage?	(Yes) Yes
6	6.	Assembled Shaft Runout	
7	7.	Assembled Shaft End Play	
8	8.	Air Gap Variation <10%	
• 9	9.	Lead Condition	(P) Pass
1	0.	Lead Length	12 Inches
1	1.	Frame Condition	good
1	2.	Fan Condition	(P) Pass
1	3.	Broken or Missing Components	missing ODE bell bolts
10.00		Electrical Incorporation	

#### **Initial Electrical Inspection**

14. Insulation Resistance/Megger

15. Winding Resistance							
10.	1-2 1-3 2-3						
	0	0	0				
16.	•		(F) Fail				
_	Stator Condition		blown				
Mechanical Inspection							
18. Drive End Bearing Number- 6309 2Z							
19.			1				
20.			(Ball) Ball Bearing				
21.			(Grease) Grease Lubricated				
22.	Drive End Bearing Insulation or Groun	(Orease) Orease Lubricated					
23.	Drive End Wavy Washer/Snap-Ring (	•					
24.		Strict Retention Bevice:	bad				
25.	Opposite Drive End Bearing Number-		6208 2Z				
26.	Opposite Drive End Bearing Qty.		1				
27.			(Ball) Ball Bearing				
28.			(Grease) Grease Lubricated				
29.	Opposite Drive End Bearing Insulation	n or Grounding Device?	(Crouss) Crouss Eustreansu				
30.	Opposite Drive End Wavy Washer/Sr	-	wavy washer				
31.		· · ·	mary maches				
32.			labyrinth good				
	Opposite Drive End Seal		inaly good				
	Inspection						
	Rotor Type/Material		(Squirrel Aluminum) Squirrel				
	Totol Typermaterial		Cage Aluminum Die Cast				
35.	Growler Test		(Pass) Pass				
36.	Number of Rotor Bars		46				
37.	Rotor Condition		good				
38.	3. List the Parts needed for the Repair Below						
	Rewind, 6309; 6208,						
39.	Signature of Technician that Disasser	mbled Motor	David Maclin				
1/2/							
Mech	anical Fits- Rotor						
40.	Shaft Runout						
41.	Rotor Runout						
	Drive End Bearing Fit	Opposite Drive End Bearing					
42.	Coupling Fit Closest to Bearing Housi	ng					
	0 Degrees	90 Degrees	120 Degrees				
	0 2091000	00 D0g1000	120 Dogitoo				
43.	3. Coupling Fit Closest to the end of the Shaft						
	0 Degrees 60 Degrees 120 Degrees						
	J						

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44.	Drive End Bearing Shaft Fit			
	0 Degrees	60 Degrees	120 Degrees	
	1.7722	1.7722	1.7722	
45.	Drive End Bearing Shaft Fit Condition			(P) Pass
46.	Opposite Drive End Bearing Shaft Fit			
	0 Degrees	60 Degrees	120 Degrees	
	1.5753	1.5753	1.5753	
47.	Opposite Drive End Bearing Shaft Fit	Condition		(P) Pass
48.	Shaft Air Seal Fits			
	Drive End Air Seal	Opposite Drive End Air Seal		
	anical Fits- Bearing Housings			
49.	Drive End - Endbell Bearing Fit			
	0 Degrees	60 Degrees	120 Degrees	
	Daine Food Foodball Decision Fit O	tia.a.		/E\ E-!!
50.				(F) Fail
51.	Opposite Drive End - Endbell Bearing		400 D	
	0 Degrees	60 Degrees	120 Degrees	
52.	Opposite Drive End - Endbell Bearing	Fit Condition		(F) Fail
53.	Bearing Cap Condition			
	Drive End Bearing Cap	Opposite Drive End Bearing Cap		
54.	End Bell Air Seal Fits			
	Drive End Air Seal	Opposite Drive End Air Seal		
55.	List Machine Work Needed Below			
	Sleeve DE, sleeve ODE			
56.	Technician			David Maclin
	Cause of Failure			
57.	Failure locations			
	Iron rubbed on bottom.			
58.	Root cause of failure			
	Bolts fell out			



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