



### AC Recondition As Found

Remington (10243)

2592 AR Hwy 15 N  
Lonoke, AR 72086

FolderID: 100702  
FormID: 15531267

#### AC Recondition - Rev. 2

Location: MOTOR SHOP LR  
Serial Number: Z1507300199X  
Description: 15HP BALDOR 3600RPM 254TCZ

Hi-Speed Job Number:	100702
Manufacturer:	Baldor
Product Number:	85600H24
Spec/ID #:	09G939Z602G1
Serial Number:	Z1507300199X
HP/kW:	15 (HP)
RPM:	3520 (RPM)
Frame:	254TCZ
Voltage:	230 / 460
Current:	35/17.5
Phase:	Three
Hz:	60 (Hz)
Service Factor:	1.15
Enclosure:	TEFC
J-box Included:	None
Coupling/Sheave:	None
Bearing RTDs:	No
Stator RTDs:	No
Repair Stage:	Teardown Inspection
Heaters:	No
Winding Type :	Random Wound
Bearing Type:	Rolling Element

Priorities Found: ● 2 - High ● 6 - Good

#### Overall Condition



1. Report Date
2. Nameplate Picture

P20



3. Photos of all six sides of the machine.

P27

Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.



Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.



4. Describe the Overall Condition of the Equipment as Received  
*Serviceable*

**Initial Mechanical/Electrical**



● 5. Does Shaft Turn Freely?

(No) No

6. Does Shaft Have Visible Damage?

(No) No

P11



7. Assembled Shaft Runout

8. Assembled Shaft End Play

9. Air Gap Variation <10%

● 10. Lead Condition

(P) Pass

P32



11. Lead Length

12 Inches

12. Frame Condition

pass

● 13. Fan Condition

(P) Pass

P54



14. Broken or Missing Components

4 each housing mount bolts.

### Initial Electrical Inspection



15. Insulation Resistance/Megger

Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.

16. Winding Resistance

1-2

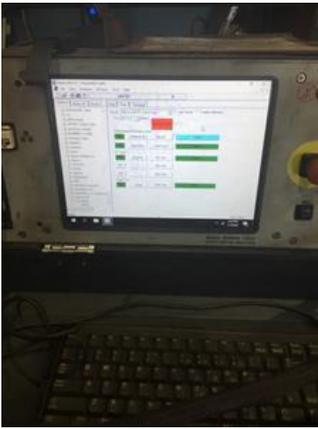
1-3

2-3

17. Perform Surge Test

(P) Pass

P35



18. Number of Stator Slots

19. Stator Condition

pass

**Mechanical Inspection**



20. Drive End Bearing Number-

7309

P8



21. Drive End Bearing Qty.

1

22. Drive End Bearing Type

(Thrust) Thrust

23. Drive End Lubrication Type

(Grease) Grease Lubricated

Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.

24. Drive End Bearing Insulation or Grounding Device?	none	
25. Drive End Wavy Washer/Snap-Ring Other Retention Device?	none	
26. Drive End Bearing Condition	replace.	
27. Opposite Drive End Bearing Number-	6208	
28. Opposite Drive End Bearing Qty.	1	
29. Opposite Drive End Bearing Type	(Ball) Ball Bearing	
30. Opposite Drive End Lubrication Type	(Grease) Grease Lubricated	
31. Opposite Drive End Bearing Insulation or Grounding Device?	none	
32. Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	yes	P56

2 each



33. Opposite Drive End Bearing Condition

cage failure

P57



Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.

34. Drive End Seal

replace

P59

Cho: 13369. (1.687, 2.275, 0.313)



35. Opposite Drive End Seal

none

**Rotor Inspection**

36. Rotor Type/Material

(Squirrel Aluminum) Squirrel  
Cage Aluminum Die Cast

37. Growler Test

38. Number of Rotor Bars

39. Rotor Condition

pass

40. List the Parts needed for the Repair Below

*Replace all 4 end bell mount bolts. Replace broken fan cover. Re-sleeve ODE housing.*

41. Signature of Technician that Disassembled Motor

Terrence Holland

**Mechanical Fits- Rotor**

42. Shaft Runout

inches

43. Rotor Runout

Drive End Bearing Fit

Rotor Body

Opposite Drive End Bearing

44. Coupling Fit Closest to Bearing Housing

0 Degrees

90 Degrees

120 Degrees

45. Coupling Fit Closest to the end of the Shaft

0 Degrees

60 Degrees

120 Degrees

46. Drive End Bearing Shaft Fit

0 Degrees

60 Degrees

120 Degrees

1.7721

1.772

1.7719

47. Drive End Bearing Shaft Fit Condition

(P) Pass

48. Opposite Drive End Bearing Shaft Fit

0 Degrees

60 Degrees

120 Degrees

1.575

1.575

1.575

Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.

49.	Opposite Drive End Bearing Shaft Fit Condition			(P) Pass
50.	Shaft Air Seal Fits			
	Drive End Air Seal	Opposite Drive End Air Seal		
<b>Mechanical Fits- Bearing Housings</b> <span style="float: right;">📷</span>				
51.	Drive End - Endbell Bearing Fit			
	0 Degrees	60 Degrees	120 Degrees	
	<b>3.9374</b>	<b>3.9376</b>	<b>3.9375</b>	
52.	Drive End - Endbell Bearing Fit Condition			(P) Pass
53.	Opposite Drive End - Endbell Bearing Fit			
	0 Degrees	60 Degrees	120 Degrees	
	🗨 <i>Lip worn in.</i>			
54.	Opposite Drive End - Endbell Bearing Fit Condition			(F) Fail
55.	Bearing Cap Condition			P30
	Drive End Bearing Cap	Opposite Drive End Bearing Cap		
	<b>pass</b>	<b>pass</b>		
				
56.	End Bell Air Seal Fits			
	Drive End Air Seal	Opposite Drive End Air Seal		
57.	List Machine Work Needed Below			
	<i>ODE housing fit grooved.</i>			
58.	Technician			<b>Terrence Holland</b>
				
<b>Root Cause of Failure</b> <span style="float: right;">📷</span>				
59.	Failure locations			
	<i>Grease contaminated with water. ODE bearing cage failed.</i>			

Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.

*Moisture inside stator. Contaminated grease in both bearings. Cage failure on ODE bearing.*

