



## AC Recondition As Found

Remington (10243)

2592 AR Hwy 15 N  
Lonoke, AR 72086

FolderID: 100411  
FormID: 14759733

### AC Recondition - Rev. 2

Location: MOTOR SHOP LR

Serial Number: 56038

Description: 1/4HP DELCO 3600RPM

Hi-Speed Job Number: 100411

Manufacturer: Other

Product Number: I 1957

Serial Number: 56038

HP/kW: 0.25 (HP)

RPM: 3520 (RPM)

Frame: 48T

Voltage: 230 / 460

Current: 0.45

Phase: Three

Hz: 60 (Hz)

Enclosure: TENV

J-box Included: None

Coupling/Sheave: None

Bearing RTDs: No


Stator RTDs: No

Repair Stage: Final

Heaters: No

Winding Type : Random Wound

Bearing Type: Rolling Element

Priorities Found:  6 - Good

### Overall Condition



1. Report Date

2. Nameplate Picture

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3. Photos of all six sides of the machine.

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4. Describe the Overall Condition of the Equipment as Received		
Serviceable		
Initial Mechanical/Electrical		<input type="checkbox"/>
● 5. Does Shaft Turn Freely?		(Yes) Yes
6. Does Shaft Have Visible Damage?		(No) No
7. Assembled Shaft Runout		Inches
8. Assembled Shaft End Play		
9. Air Gap Variation <10%		



11. Lead Length	6 Inches
12. Frame Condition	good



14. Broken or Missing Components
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Initial Electrical Inspection

15. Insulation Resistance/Megger
16. Winding Resistance

1-2	1-3	2-3
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18. Stator Condition	rewind	
<b>Mechanical Inspection</b>		
19. Drive End Bearing Number-	6203	P8
		
20. Drive End Bearing Qty.	1	
21. Drive End Bearing Type	(Ball) Ball Bearing	
22. Drive End Lubrication Type	(Grease) Grease Lubricated	
23. Drive End Bearing Insulation or Grounding Device?	none	
24. Drive End Wavy Washer/Snap-Ring Other Retention Device?	none	
25. Drive End Bearing Condition	pass	
26. Opposite Drive End Bearing Number-	6203	P46
		
27. Opposite Drive End Bearing Qty.	1	
28. Opposite Drive End Bearing Type	(Ball) Ball Bearing	
29. Opposite Drive End Lubrication Type	(Grease) Grease Lubricated	
30. Opposite Drive End Bearing Insulation or Grounding Device?	none	
31. Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	none	
32. Opposite Drive End Bearing Condition	replace	
33. Drive End Seal		
34. Opposite Drive End Seal		
<b>Rotor Inspection</b>		





36. Growler Test

37. Number of Rotor Bars

38. Rotor Condition

pass

39. List the Parts needed for the Repair Below

*Rewind/machine D.E. Housing fit. Replace 2 ea. 6203 bearings.*

40. Signature of Technician that Disassembled Motor

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**Mechanical Fits- Rotor**

41. Shaft Runout

42. Rotor Runout

Drive End Bearing Fit

Rotor Body

Opposite Drive End Bearing

43. Coupling Fit Closest to Bearing Housing

0 Degrees

90 Degrees

120 Degrees

44. Coupling Fit Closest to the end of the Shaft

0 Degrees

60 Degrees

120 Degrees

45. Drive End Bearing Shaft Fit

0 Degrees

60 Degrees

120 Degrees

0.6693

0.6693

0.6693

46. Drive End Bearing Shaft Fit Condition

(P) Pass

47. Opposite Drive End Bearing Shaft Fit

0 Degrees

60 Degrees

120 Degrees

0.6692

0.6693

0.6693

48. Opposite Drive End Bearing Shaft Fit Condition

(P) Pass

49. Shaft Air Seal Fits

Drive End Air Seal

Opposite Drive End Air Seal

**Mechanical Fits- Bearing Housings**

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## 50. Drive End - Endbell Bearing Fit

P2

0 Degrees

60 Degrees

120 Degrees

 **Pitted**

## 51. Drive End - Endbell Bearing Fit Condition

## 52. Opposite Drive End - Endbell Bearing Fit

0 Degrees

60 Degrees

120 Degrees

## 53. Opposite Drive End - Endbell Bearing Fit Condition

## 54. Bearing Cap Condition

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Drive End Bearing Cap

Opposite Drive End Bearing Cap

**pass****pass**

## 55. End Bell Air Seal Fits

Drive End Air Seal

Opposite Drive End Air Seal

## 56. List Machine Work Needed Below

***D.E. Housing fit pitted***

## 57. Technician

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## Dynamic Balance Report

58. Rotor Weight and Balance Grade

Rotor Weight

Balance Grade

59. Initial Balance Readings

Drive End

Opposite Drive End

60. Final Balance Readings

Drive End

Opposite Drive End

61. Technician

## Rewind

62. Core Test Results - Watts loss per Pound

Pre-Burnout

Post Burnout

63. Core Hot Spot Test

Pre-Burnout

Post-Burnout

64. Post Rewind Electrical Test- Insulation Resistance

65. Post Rewind Polarization Index

66. Post Rewind Winding Resistance

1-2

1-3

2-3

67. Post Rewind Surge Test

68. Post Rewind Hi-Pot

69. Technician

## Root Cause of Failure

70. Failure locations

*Windings single phased. D.e housing fit needs repair.*

71. Root cause of failure

## Mechanical Fits- Rotor - Post Repair

72. Shaft Runout Post Repair

73. Rotor Runout Post Repair

Drive End Bearing Fit

Rotor Body

Opposite Drive End Bearing

74. Coupling Fit Closest to Bearing Housing Post Repair

0 Degrees

90 Degrees

120 Degrees

75. Coupling Fit Closest to the end of the Shaft Post Repair

0 Degrees

60 Degrees

120 Degrees

76. Drive End Bearing Shaft Fit Post Repair

0 Degrees

60 Degrees

120 Degrees

77. Opposite Drive End Bearing Shaft Fit Post Repair

0 Degrees

60 Degrees

120 Degrees

78.	Shaft Air Seal Fits Post Repair		
	Drive End Air Seal	Opposite Drive End Air Seal	
79.	Shaft Repair Sign-off		
Mechanical Fits- Bearing Housings - Post Repair			
80.	Drive End - Endbell Bearing Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
81.	Opposite Drive End - Endbell Bearing Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
82.	Bearing Cap Condition Post Repair		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap	
83.	End Bell Air Seal Fits Post Repair		
	Drive End Air Seal	Opposite Drive End Air Seal	
84.	End Bell Repair Sign-off		
Assembly			
85.	Photograph All Major Components prior to assembly		
86.	Final Insulation Resistance Test		
87.	Assembled Shaft Endplay		
88.	Assembled Shaft Runout		
89.	Test Run Voltage		
	Volts	Volts	Volts
90.	Test Run Amperage		
	Amps	Amps	Amps
91.	Drive End Vibration Readings - Inches Per Second		
	Horizontal	Vertical	Axial
92.	Opposite Drive End Vibration Readings - Inches Per Second		
	Horizontal	Vertical	Axial
93.	Ambient Temperature - Fahrenheit		
94.	Drive End Bearing Temps - Fahrenheit		
	5 Minutes	10 Minutes	15 Minutes
95.	Opposite Drive End Bearing Temps - Fahrenheit		
	5 Minutes	10 Minutes	15 Minutes
96.	Final Test Run Sign-off		Terrence. Holland P2100



L 2/4/21



97. Document Final Condition with Pictures after paint

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98. Final Pics and QC Review

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