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

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:	Teardown Inspection
Heaters:	No
Winding Type :	Random Wound
Bearing Type:	Rolling Element

Priorities Found: **6 - Good**

Overall Condition

1. Report Date

2. Nameplate Picture P21

3. Photos of all six sides of the machine. P27

4.	Describe the Overall Condition of the Equipment as Received ***Serviceable***	
Initial Mechanical/Electrical		
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%	

10.	Lead Condition	**(P) Pass**	P32

11.	Lead Length	**6 Inches**
12.	Frame Condition	**good**
13.	Fan Condition	**(P) Pass** P53

14.	Broken or Missing Components	

Initial Electrical Inspection

15.	Insulation Resistance/Megger	
16.	Winding Resistance	

1-2	1-3	2-3

17.	Perform Surge Test	**(NA) Not Applicable** P35

18.	Stator Condition	**rewind**	

Mechanical Inspection

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		

Rotor Inspection

35. Rotor Type/Material P3

36. Growler Test

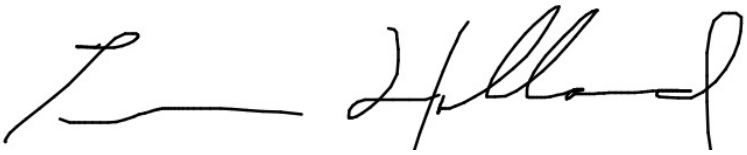
37. Number of Rotor Bars

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 **Terrence. Holland**



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

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 P30

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 **Terrence. Holland**

Root Cause of Failure

58. Failure locations

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

59. Root cause of failure