

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

> FolderID: 100361 FormID: 14673008

AC Recondition As Found

Remington (10243)

2592 AR Hwy 15 N Lonoke, AR 72086

AC Recondition - Rev. 2

MOTOR SHOP LR Location: Serial Number: F1010203065

Description: 10HP BALDOR 3600RPM 215TC

Hi-Speed Job Number:	100361
Manufacturer:	Baldor
Product Number:	VM3711T
Spec/ID #:	37A003T968
Serial Number:	F1010203065
HP/kW:	10 (HP)
RPM:	3450 (RPM)
Frame:	215TC
Voltage:	230 / 460
Current:	23.8/11.9
Phase:	Three
Hz:	60 (Hz)
Service Factor:	1.15
Enclosure:	TEFC
J-box Included:	Complete
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 5 - High



4 - Good

Overall Condition

1. Report Date

Nameplate Picture

P21

0



Photos of all six sides of the machine.

P27





































4. Describe the Overall Condition of the Equipment as Received

	т.	Describe the everal condition of the Equipment as received	
In	itial l	Mechanical/Electrical	Ō
	5.	Does Shaft Turn Freely?	(Yes) Yes
	6.	Does Shaft Have Visible Damage?	(No) No
	7.	Assembled Shaft Runout	0.001 Inches
	8.	Assembled Shaft End Play	
	9.	Air Gap Variation <10%	





11. Lead Length

Frame Condition rewind

P53 Fan Condition (P) Pass



Broken or Missing Components

Initial Electrical Inspection

0 P5 Insulation Resistance/Megger Megohms



16. Winding Resistance

1-2 1-3 2-3





18. Stator Condition rewind

Mechanical Inspection

0

19. Drive End Bearing Number-

6307Z

P8

P35





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	replace	
26.	Opposite Drive End Bearing Number-	6206	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?	yes	P55



32.	Opposite Drive End Bearing Condition	replace
33.	Drive End Seal	none
34.	Opposite Drive End Seal	none
		_

Rotor Inspection

35. Rotor Type/Material (Squirrel Aluminum) Squirrel P3
Cage Aluminum Die Cast



36.	Growler Test	(Pass) Pass
37.	Number of Rotor Bars	
38.	Rotor Condition	pass
39.	List the Parts needed for the Repair Below	
	Fan cover missing. O.D.E shaft bearing journal bad. Re-sleeve both housing fits.	
40.	Signature of Technician that Disassembled Motor	Terrence Holland

1 4M

Mechanical Fits- Rotor

41.	Shaft Runout		0.001 inches	
42.	Rotor Runout			
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing	
43.	Coupling Fit Closest to Bearing			
	0 Degrees	90 Degrees	120 Degrees	
44.	Coupling Fit Closest to the en	nd of the Shaft		
	0 Degrees	60 Degrees	120 Degrees	
	0 Degrees	00 Degrees	120 Degrees	
45.	Drive End Bearing Shaft Fit			
	0 Degrees	60 Degrees	120 Degrees	
	1.3782	1.3782	1.3782	
46.	Drive End Bearing Shaft Fit C	condition	(P) Pass	
47.	Opposite Drive End Bearing S	Shaft Fit		
	0 Degrees	60 Degrees	120 Degrees	
	1.181	1.1807		
-	Bad. Minimum limit is1.1812			
48.	Opposite Drive End Bearing S	Shaft Fit Condition	(F) Fail	
49.	Shaft Air Seal Fits			
	Drive End Air Seal	Opposite Drive End Air Seal		
	inical Fits- Bearing Housin		0	
50.	Drive End - Endbell Bearing F			
	0 Degrees	60 Degrees	120 Degrees	
	3.1512	3.1513		
7	Max allowed is 3.1503			
	Drive End - Endbell Bearing F		(F) Fail	
52.	Opposite Drive End - Endbell	-	400 5	
	0 Degrees	60 Degrees	120 Degrees	
-	Pitted			
53.	Opposite Drive End - Endbell	Bearing Fit Condition	(F) Fail	
	Pitted. Re sleeve.			

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.

Good



55. End Bell Air Seal Fits

Drive End Air Seal

Opposite Drive End Air Seal

56. List Machine Work Needed Below O.D.E shaft bearing journal.

57. Technician

Terrence. Holland

P30

Root Cause of Failure

58. Failure locations

Re-wind stator. Sleeve both housing fits. O.D.E shaft bearing journal bad.

59. Root cause of failure