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Motor Shop Repairs

Job Number 99908

Prepared for Remington (10243)

2592 AR Hwy 15 N
Lonoke AR 72086

Table of Contents



Hi-Speed Industrial Service
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AC Recondition As Found

Remington (10243)

2592 AR Hwy 15 N
Lonoke, AR 72086

FolderID: 99908
FormID: 13811270

AC Recondition - Rev. 2

Location: MOTOR SHOP LR

Serial Number: P07020114

Description: 2.6KW RENI CIRILLO 1800RPM
SHAKER

Hi-Speed Job Number: 99908

Manufacturer: Other

Product Number: PVF-F 270

Serial Number: P07020114

HP/kW: 2.6 (kW)

RPM: 1500 (RPM)

Voltage: 230 / 460

Current: 12/7

Phase: Three

Hz: 60 (Hz)

J-box Included: None

Coupling/Sheave: None

Date Received: 06/10/2022

Bearing RTDs: No



Stator RTDs: No

Repair Stage: Teardown Inspection

Heaters: No

Winding Type : Random Wound

Bearing Type: Rolling Element

Priorities Found:  5 - High  1 - Good

Overall Condition

1. Report Date

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1.0

2. Nameplate Picture



3. Describe the Overall Condition of the Equipment as Received

Initial Mechanical/Electrical

- | | |
|------------------------------------|----------|
| 4. Does Shaft Turn Freely? | |
| 5. Does Shaft Have Visible Damage? | |
| 6. Assembled Shaft Runout | |
| 7. Assembled Shaft End Play | |
| 8. Air Gap Variation <10% | |
| 9. Lead Condition | (F) Fail |
| 10. Lead Length | |
| 11. Frame Condition | good |
| 12. Fan Condition | (N) NA |
| 13. Broken or Missing Components | |


Initial Electrical Inspection

- | | | | |
|----------------------------------|-----|-----|----------|
| 14. Insulation Resistance/Megger | | | |
| 15. Winding Resistance | | | |
| 1-2 | 1-3 | 2-3 | |
| 3 | .05 | .05 | |
| 16. Perform Surge Test | | | (F) Fail |
| 17. Stator Condition | | | rewind |

Mechanical Inspection

- | | |
|--------------------------------|----------------------------|
| 18. Drive End Bearing Number- | NJ317 C4 |
| 19. Drive End Bearing Qty. | 1 |
| 20. Drive End Bearing Type | (Roller) Roller Bearing |
| 21. Drive End Lubrication Type | (Grease) Grease Lubricated |

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22.	Drive End Bearing Insulation or Grounding Device?		
23.	Drive End Wavy Washer/Snap-Ring Other Retention Device?		
24.	Drive End Bearing Condition		good
25.	Opposite Drive End Bearing Number-		NJ317 C4
26.	Opposite Drive End Bearing Qty.		1
27.	Opposite Drive End Bearing Type		(Roller) Roller Bearing
28.	Opposite Drive End Lubrication Type		(Grease) Grease Lubricated
29.	Opposite Drive End Bearing Insulation or Grounding Device?		
30.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?		
31.	Opposite Drive End Bearing Condition		good
32.	Drive End Seal		85 120 12
33.	Opposite Drive End Seal		85 120 12
Rotor Inspection			
34.	Rotor Type/Material		
35.	Growler Test		(Pass) Pass
36.	Number of Rotor Bars		28
37.	Rotor Condition		good
38.	List the Parts needed for the Repair Below <i>Rewind, 2 - NJ317 C4, 2 - 85 120 12 seals, BOTH shaft bearing fits (Replace shaft?), sleeve DE end bell, new cord (Get length from customer. It was cut off motor)</i>		
39.	Signature of Technician that Disassembled Motor		
Mechanical Fits- Rotor			
40.	Shaft Runout		
41.	Rotor Runout		
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing
42.	Coupling Fit Closest to Bearing Housing		
	0 Degrees	90 Degrees	120 Degrees
43.	Coupling Fit Closest to the end of the Shaft		
	0 Degrees	60 Degrees	120 Degrees
44.	Drive End Bearing Shaft Fit		
	0 Degrees	60 Degrees	120 Degrees
45.	Drive End Bearing Shaft Fit Condition		(F) Fail
			
46.	Opposite Drive End Bearing Shaft Fit		
	0 Degrees	60 Degrees	120 Degrees

47. Opposite Drive End Bearing Shaft Fit Condition

(F) Fail



48. Shaft Air Seal Fits

Drive End Air Seal

Opposite Drive End Air Seal

Mechanical Fits- Bearing Housings

49. Drive End - Endbell Bearing Fit

0 Degrees

60 Degrees

120 Degrees

50. Drive End - Endbell Bearing Fit Condition

(F) Fail

51. Opposite Drive End - Endbell Bearing Fit

0 Degrees

60 Degrees

120 Degrees

7.0866

7.0866

7.0866

52. Opposite Drive End - Endbell Bearing Fit Condition

(P) Pass

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

Replace shaft sleeve DE end bell

56. Technician

David Maclin



Root Cause of Failure

57. Failure locations

Stator grounded.

58. Root cause of failure

Overload.



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1. **APPLICABILITY.** The sale of any and all goods and/or services by Mock, Inc. d/b/a Hi-Speed Industrial Service ("Hi-Speed") shall be specifically conditioned upon and subject to the following terms and conditions which are incorporated by reference into any contracts and purchase orders with Hi-Speed, and which shall form and become a part of any agreement related thereto. Buyer's acceptance of any offer or quotation made by Hi-Speed for sale of any goods or services is expressly made subject to the terms and conditions set forth herein and to be so effective, Buyer need not sign or approve these Terms and Conditions to be bound hereunder provided a copy of same is provided to Buyer through any means. None of the terms and conditions contained herein may be added to, expanded, changed, modified, superseded or otherwise altered except as revised in writing and duly executed by Hi-Speed, and all orders received by Hi-Speed shall be governed only by the terms and conditions contained herein, notwithstanding any terms, conditions or provisions of any purchase order, release order, authorization or any other form issued by the Buyer. Hi-Speed hereby objects to any additional, modified, changed, deleted, altered or other terms and conditions not contained herein and notifies Buyer that any such terms or provisions are expressly rejected by Hi-Speed.
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