



KEEPING YOUR FACILITY UP TO SPEED
— EVERY DAY SINCE 1946 —

Motor Shop Repairs

Job Number 99814

Prepared for Mondri (12049)

3501 Jefferson Parkway
Pine Bluff AR 71602

Table of Contents



Hi-Speed Industrial Service
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Millington, Tn 38053
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AC Recondition As Found

Mondi (12049)

3501 Jefferson Parkway
Pine Bluff, AR 71602

FolderID: 99814
FormID: 13634628

AC Recondition - Rev. 2

Location: Shop

Serial Number: XY.AC139537-1

Description: 250HP TECO 1800RPM 5007B
2300/4160

Hi-Speed Job Number: 99814

Manufacturer: TECO Westinghouse

Product Number: KG2504

Serial Number: XY.AC139537-1

HP/kW: 250 (HP)

RPM: 1780 (RPM)

Frame: 5007B

Voltage: 2300/4160

Current: 34.8/30.3

Phase: Three

Hz: 60 (Hz)

Service Factor: 1.15

Enclosure: TEFC

J-box Included: Complete

Coupling/Sheave: None

Date Received: 05/17/2022

Bearing RTDs: No

Stator RTDs: No

Repair Stage: Teardown Inspection

Heaters: No

Winding Type : Form Coil

Bearing Type: Rolling Element

Priorities Found: ● 6 - High ● 2 - Good

Overall Condition

1. Report Date

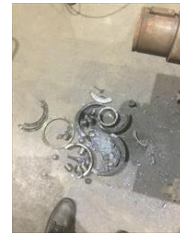
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1.0

2. Nameplate Picture



3. Describe the Overall Condition of the Equipment as Received

Initial Mechanical/Electrical

- | | | |
|----------------------------------|------------------------------------|-----------|
| <input checked="" type="radio"/> | 4. Does Shaft Turn Freely? | (No) No |
| | 5. Does Shaft Have Visible Damage? | (Yes) Yes |



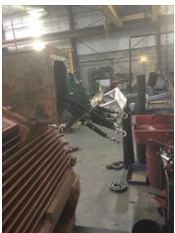
6. Assembled Shaft Runout

7. Assembled Shaft End Play








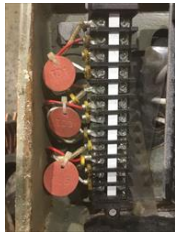
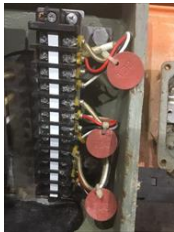



8. Air Gap Variation <10%

☒ 9. Lead Condition (P) Pass

10. Lead Length 12 Inches



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11. Frame Condition			pass
12. Fan Condition			(P) Pass
			
13. Broken or Missing Components			missing fan cover
			
			
			
Initial Electrical Inspection			
14. Insulation Resistance/Megger			13956 Megohms
			
15. Winding Resistance			
1-2	1-3	2-3	

16. Perform Surge Test

(F) Fail



17. Stator Condition

rewind



Mechanical Inspection

18. Drive End Bearing Number-	NU324
19. Drive End Bearing Qty.	1
20. Drive End Bearing Type	(Roller) Roller Bearing
21. Drive End Lubrication Type	(Grease) Grease Lubricated
22. Drive End Bearing Insulation or Grounding Device?	no
23. Drive End Wavy Washer/Snap-Ring Other Retention Device?	



24. Drive End Bearing Condition	bad
25. Opposite Drive End Bearing Number-	6320
26. Opposite Drive End Bearing Qty.	1
27. Opposite Drive End Bearing Type	(Ball) Ball Bearing
28. Opposite Drive End Lubrication Type	(Grease) Grease Lubricated
29. Opposite Drive End Bearing Insulation or Grounding Device?	no
30. Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	



31. Opposite Drive End Bearing Condition	locked up
32. Drive End Seal	

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33. Opposite Drive End Seal

Rotor Inspection

34. Rotor Type/Material

(Copper Barred) Copper
Barred Rotor



35. Growler Test

(Pass) Pass

36. Number of Rotor Bars

55

37. Rotor Condition

pass



38. List the Parts needed for the Repair Below

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

10.2412

10.2389

10.2408

50. Drive End - Endbell Bearing Fit Condition (F) Fail



Replace

51. Opposite Drive End - Endbell Bearing Fit

0 Degrees

60 Degrees

120 Degrees

8.4701




8.4693

48.4691

52. Opposite Drive End - Endbell Bearing Fit Condition (F) Fail



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53. Bearing Cap Condition	
Drive End Bearing Cap	Opposite Drive End Bearing Cap
outside cap needs to be replaced	
	
<i>ODE grease slinger and spacer</i>	
54. End Bell Air Seal Fits	
Drive End Air Seal	Opposite Drive End Air Seal
55. List Machine Work Needed Below	
<i>Needs new shaft both end bells need sleeved needs new slinger's spacers</i>	
56. Technician	RW
	
Root Cause of Failure	
57. Failure locations	
<i>Bearing's</i>	
58. Root cause of failure	
<i>No grease</i>	



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8. **WARRANTIES.** Hi-Speed warrants that all goods shall conform in all material aspects to the goods identified in the quotation to Buyer and/or purchase order, and Hi-Speed makes to Buyer the manufacturer's express warranty for any goods sold to Buyer, which is offered by the manufacturer at the time of acceptance of any quotation by Buyer. This warranty is conditioned upon the installation, operation, and maintenance of the goods in accordance with the manufacturer's recommendations and/or standard industry practice and the goods at all times being operated or used under normal operating conditions for which they were designed. Hi-Speed, at its sole option, will repair or

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