



AC Recondition As Found
Baptist Health Medical Center
P.O. Box 8516
Little Rock, AR 72215

FolderID: 100324
FormID: 14616135

AC Recondition - Rev. 2

Location: MOTOR SHOP LR
Serial Number: Z1103011381
Description: 20HP BALDOR 3600RPM 256T

Hi-Speed Job Number: 100324
Manufacturer: Baldor
Product Number: EM4106T
Spec/ID #: 09P011Z601
Serial Number: Z1103011381
HP/kW: 20 (HP)
RPM: 3520 (RPM)
Frame: 256T
Voltage: 230 / 460
Current: 46/23
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: ● 3 - High ● 6 - Good

Overall Condition



- 1. Report Date
- 2. Nameplate Picture

P21



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

P27

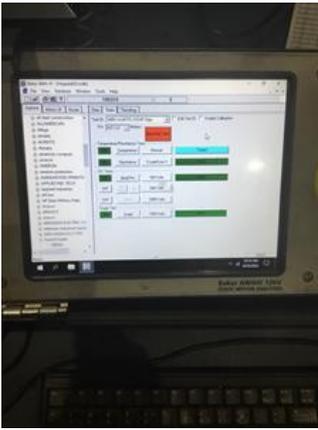
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4. Describe the Overall Condition of the Equipment as Received

Initial Mechanical/Electrical



<input checked="" type="radio"/>	5. Does Shaft Turn Freely?	(Yes) Yes
<input type="radio"/>	6. Does Shaft Have Visible Damage?	(No) No
<input checked="" type="radio"/>	7. Assembled Shaft Runout	0.001 Inches
<input type="radio"/>	8. Assembled Shaft End Play	
<input type="radio"/>	9. Air Gap Variation <10%	

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10. Lead Condition

(P) Pass

P32



11. Lead Length

13.5 Inches

12. Frame Condition

pass

13. Fan Condition

(P) Pass

P53



14. Broken or Missing Components

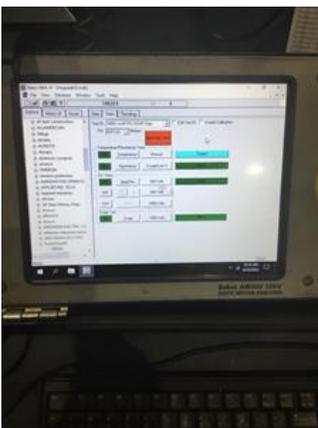
Initial Electrical Inspection



15. Insulation Resistance/Megger

Megohms

P5



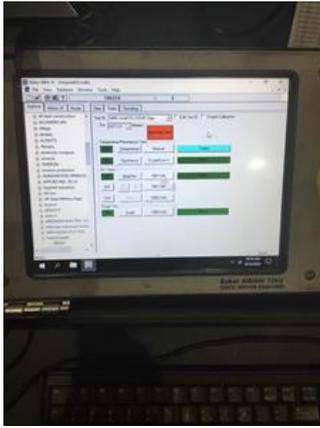
16. Winding Resistance

1-2

1-3

2-3

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18. Stator Condition

dirty, excessive amounts of grease.

Mechanical Inspection



19. Drive End Bearing Number-

6309

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?

25. Drive End Bearing Condition

replace



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



32. Opposite Drive End Bearing Condition	replace
33. Drive End Seal	
34. Opposite Drive End Seal	

Rotor Inspection





36. Growler Test (Pass) Pass

37. Number of Rotor Bars

38. Rotor Condition good

39. List the Parts needed for the Repair Below

Both endbell housings bad. Replace both bearings

40. Signature of Technician that Disassembled Motor Terrence. Holland

Mechanical Fits- Rotor

41. Shaft Runout 0.001 inches

42. Rotor Runout

Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing
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43. Coupling Fit Closest to Bearing Housing

0 Degrees	90 Degrees	120 Degrees
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44. Coupling Fit Closest to the end of the Shaft

0 Degrees	60 Degrees	120 Degrees
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45. Drive End Bearing Shaft Fit

0 Degrees	60 Degrees	120 Degrees
1.7718	1.7718	1.7718

● 46. Drive End Bearing Shaft Fit Condition (P) Pass

47. Opposite Drive End Bearing Shaft Fit

0 Degrees	60 Degrees	120 Degrees
1.575	1.575	1.575

● 48. Opposite Drive End Bearing Shaft Fit Condition (P) Pass

49. Shaft Air Seal Fits

Drive End Air Seal	Opposite Drive End Air Seal
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Mechanical Fits- Bearing Housings

50. Drive End - Endbell Bearing Fit

0 Degrees

60 Degrees

120 Degrees

3.982

3.983

51. Drive End - Endbell Bearing Fit Condition

(F) Fail

52. Opposite Drive End - Endbell Bearing Fit

0 Degrees

60 Degrees

120 Degrees

3.1505

3.1504

3.1505

 *Pitted*

53. Opposite Drive End - Endbell Bearing Fit Condition

(F) Fail

54. Bearing Cap Condition

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

Sleeve both housing fits.

57. Technician

Terrence Holland



Root Cause of Failure

58. Failure locations

Housing fits bad

59. Root cause of failure