



**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



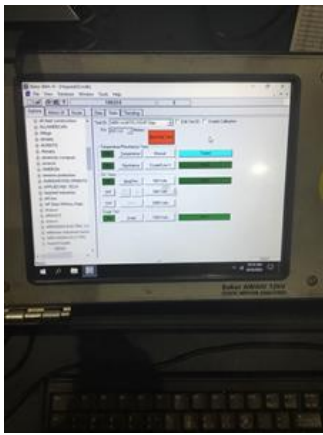
3. Photos of all six sides of the machine.

P27

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4. Describe the Overall Condition of the Equipment as Received


#### Initial Mechanical/Electrical



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%	

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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

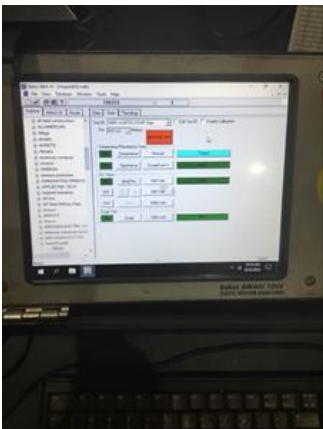


14. Broken or Missing Components

#### Initial Electrical Inspection



15. Insulation Resistance/Megger **Megohms** P5

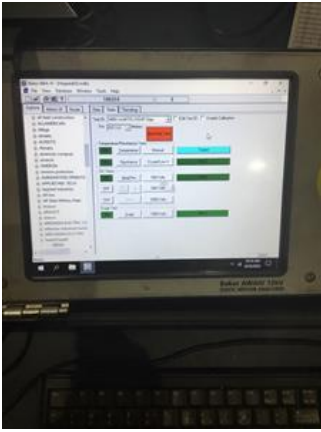


16. Winding Resistance

1-2

1-3

2-3



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

P55



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

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

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



## 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