



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

FolderID: 2275  
 FormID: 14967049

**AC Recondition - Rev. 2**

**Location:** MOTOR SHOP LR  
**Serial Number:** 0990910  
**Description:** 50HP BALDOR 1800RPM 326T

<b>Hi-Speed Job Number:</b>	100507
<b>Manufacturer:</b>	Baldor
<b>Product Number:</b>	M2534T
<b>Spec/ID #:</b>	40H005W951H1
<b>Serial Number:</b>	0990910
<b>HP/kW:</b>	50 (HP)
<b>RPM:</b>	1765 (RPM)
<b>Frame:</b>	326T
<b>Voltage:</b>	230 / 460
<b>Current:</b>	124/62
<b>Phase:</b>	Three
<b>Hz:</b>	60 (Hz)
<b>Service Factor:</b>	1.15
<b>Enclosure:</b>	ODP
<b>J-box Included:</b>	Complete
<b>Coupling/Sheave:</b>	None
<b>Bearing RTDs:</b>	No
<b>Stator RTDs:</b>	No
<b>Repair Stage:</b>	Teardown Inspection
<b>Heaters:</b>	No
<b>Winding Type :</b>	Random Wound
<b>Bearing Type:</b>	Rolling Element

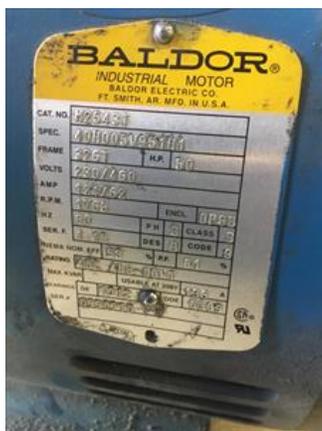
Priorities Found: ● 1 - High ● 5 - Good

**Overall Condition**



1. Report Date
2. Nameplate Picture

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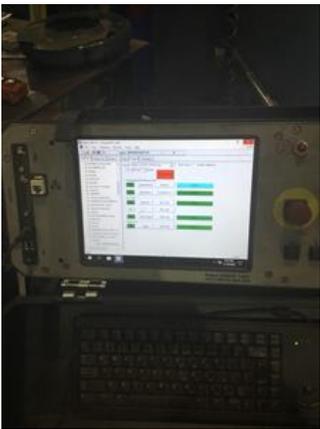


3. Photos of all six sides of the machine.

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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

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7. Assembled Shaft Runout

Inches

8. Assembled Shaft End Play

9. Air Gap Variation <10%

10. Lead Condition

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11. Lead Length

4.5 Inches

12. Frame Condition

pass

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13. Fan Condition

(N) NA

14. Broken or Missing Components

**Initial Electrical Inspection**



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16. Winding Resistance

1-2

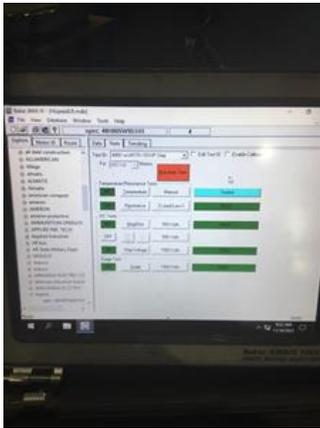
1-3

2-3

17. Perform Surge Test

(P) Pass

P35



18. Stator Condition

P39



Mechanical Inspection



19. Drive End Bearing Number-

6312 C3

P8



20. Drive End Bearing Qty.

1

21. Drive End Bearing Type

(Ball) Ball Bearing

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22. Drive End Lubrication Type

(Grease) Grease Lubricated

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23. Drive End Bearing Insulation or Grounding Device?	<b>none</b>	
24. Drive End Wavy Washer/Snap-Ring Other Retention Device?	<b>none</b>	
25. Drive End Bearing Condition	<b>replace</b>	
26. Opposite Drive End Bearing Number-	<b>6309</b>	
27. Opposite Drive End Bearing Qty.	<b>1</b>	<b>P47</b>



28. Opposite Drive End Bearing Type	<b>(Ball) Ball Bearing</b>	
29. Opposite Drive End Lubrication Type	<b>(Grease) Grease Lubricated</b>	
30. Opposite Drive End Bearing Insulation or Grounding Device?	<b>none</b>	
31. Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	<b>yes</b>	
32. Opposite Drive End Bearing Condition	<b>replace</b>	
33. Drive End Seal	<b>none</b>	

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34. Opposite Drive End Seal

none

**Rotor Inspection**



35. Rotor Type/Material

(Squirrel Aluminum) Squirrel  
Cage Aluminum Die Cast

P3



36. Growler Test

(Pass) Pass

37. Number of Rotor Bars

38. Rotor Condition

pass

39. List the Parts needed for the Repair Below

*Replace both bearings and both end bell baffles. D.E housing fit bad.*

40. Signature of Technician that Disassembled Motor

Terrence Holland

**Mechanical Fits- Rotor**

41. Shaft Runout

0.002 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

2.3628

2.3629

2.3628

46. Drive End Bearing Shaft Fit Condition

(P) Pass

47. Opposite Drive End Bearing Shaft Fit

0 Degrees

60 Degrees

120 Degrees

1.772

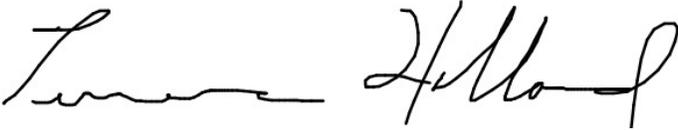
1.772

1.772

48. Opposite Drive End Bearing Shaft Fit Condition

(P) Pass

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49.	Shaft Air Seal Fits		
	Drive End Air Seal	Opposite Drive End Air Seal	
<b>Mechanical Fits- Bearing Housings</b>			
50.	Drive End - Endbell Bearing Fit		
	0 Degrees	60 Degrees	120 Degrees
	<b>5.1203</b>	<b>5.1202</b>	
● 51.	Drive End - Endbell Bearing Fit Condition		<b>(F) Fail</b>
52.	Opposite Drive End - Endbell Bearing Fit		
	0 Degrees	60 Degrees	120 Degrees
	<b>3.9379</b>	<b>3.9378</b>	<b>3.9378</b>
● 53.	Opposite Drive End - Endbell Bearing Fit Condition		<b>(P) Pass</b>
54.	Bearing Cap Condition		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap	
55.	End Bell Air Seal Fits		
	Drive End Air Seal	Opposite Drive End Air Seal	
56.	List Machine Work Needed Below <i>Sleeve D.E. Housing fit.</i>		
57.	Technician	<b>Terrence Holland</b>	
			
<b>Root Cause of Failure</b>			
58.	Failure locations <i>D.E. Housing fit out of tolerance. Replace both end bell baffles.</i>		
59.	Root cause of failure		