



**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

Hi-Speed Job Number: 100507

Manufacturer: Baldor

Product Number: M2534T

Spec/ID #: 40H005W951H1

Serial Number: 0990910

HP/kW: 50 (HP)

RPM: 1765 (RPM)

Frame: 326T

Voltage: 230 / 460

Current: 124/62

Phase: Three

Hz: 60 (Hz)

Service Factor: 1.15

Enclosure: ODP

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: ● 1 - High ● 5 - Good

**Overall Condition**



1. Report Date
2. Nameplate Picture

P21



3. Photos of all six sides of the machine.

P27

Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.





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

P12



7. Assembled Shaft Runout

Inches

8. Assembled Shaft End Play

9. Air Gap Variation <10%

10. Lead Condition

P32



11. Lead Length

4.5 Inches

12. Frame Condition

pass

P51



13. Fan Condition

(N) NA

14. Broken or Missing Components

### Initial Electrical Inspection



Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.





## 16. Winding Resistance

1-2

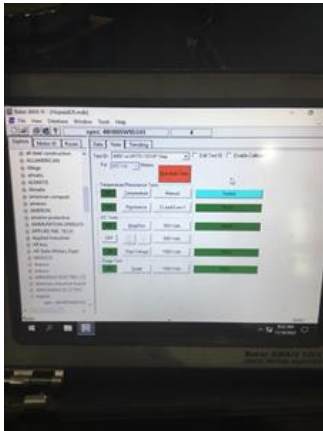
1-3

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

P20



22. Drive End Lubrication Type

(Grease) Grease Lubricated

P26



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>

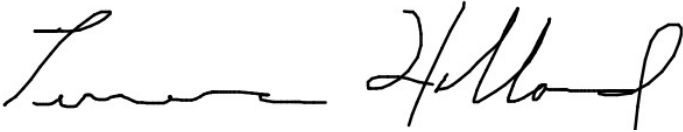


28.	Opposite Drive End Bearing Type	<b>(Ball) Ball Bearing</b>	
29.	Opposite Drive End Lubrication Type	<b>(Grease) Grease Lubricated</b>	
30.	Opposite Drive End Bearing Insulation or Grounding Device?	<b>none</b>	
31.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	<b>yes</b>	
32.	Opposite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

Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.

34. Opposite Drive End Seal	none
<b>Rotor Inspection</b>	
35. Rotor Type/Material	(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast
	
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
	
<b>Mechanical Fits- Rotor</b>	
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



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		