



AC Recondition As Found

Almatis Inc/RCP Bauxite (10014)

4701 Alcoa Road
Bauxite, AR 72011

FolderID: 99987
FormID: 13964342

AC Recondition - Rev. 2

Location: LR Motor Shop

Serial Number: 7424608-07/11-09

Description: 50HP MARATHON 1800RPM 326T

Hi-Speed Job Number: 99987

Manufacturer: Marathon

Product Number: EVH326TTF6526KZL

Serial Number: 7424608-07/11-09

HP/kW: 50 (HP)

RPM: 1775 (RPM)

Frame: 326T

Voltage: 460

Current: 60

Phase: Three

Hz: 60 (Hz)

Service Factor: 1.15

Enclosure: TEFC

J-box Included: Complete

Coupling/Sheave: None

Date Received: 06/30/2022

Bearing RTDs: No

Stator RTDs: No

Repair Stage: Teardown Inspection

Heaters: No

Winding Type : Random Wound

Bearing Type: Rolling Element

Priorities Found: ● 1 - High ● 8 - Good

Overall Condition



1. Report Date
2. Nameplate Picture

P21







3. Describe the Overall Condition of the Equipment as Received
Good

Initial Mechanical/Electrical






- | | | | |
|---|------------------------------------|-----------|-----|
| ● | 4. Does Shaft Turn Freely? | (Yes) Yes | |
| | 5. Does Shaft Have Visible Damage? | (No) No | P12 |



- | | | |
|---|-----------------------------|--------------|
| ● | 6. Assembled Shaft Runout | 0.001 Inches |
| | 7. Assembled Shaft End Play | 0 inches |
| | 8. Air Gap Variation <10% | |

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●	9. Lead Condition	(P) Pass	P31
			
10. Lead Length		13 Inches	
11. Frame Condition		good	P50
			
●	12. Fan Condition	(P) Pass	P52
			
13. Broken or Missing Components			
Initial Electrical Inspection			
14. Insulation Resistance/Megger			
15. Winding Resistance			
1-2	1-3	2-3	

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17. Stator Condition

Mechanical Inspection

18. Drive End Bearing Number-	6312-2Z/C3
19. Drive End Bearing Qty.	1
20. Drive End Bearing Type	(Ball) Ball Bearing
21. Drive End Lubrication Type	(Grease) Grease Lubricated
22. Drive End Bearing Insulation or Grounding Device?	none
23. Drive End Wavy Washer/Snap-Ring Other Retention Device?	none
24. Drive End Bearing Condition	

P41







25. Opposite Drive End Bearing Number-

6311/2Z

P45



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?	none	
30. Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	yes	P54
		
31. Opposite Drive End Bearing Condition		P55
		
32. Drive End Seal		P57
		
33. Opposite Drive End Seal	none	
Rotor Inspection 		



35. Growler Test (Pass) Pass

36. Number of Rotor Bars

37. Rotor Condition good

38. List the Parts needed for the Repair Below

Recondition/bearings

39. Signature of Technician that Disassembled Motor Terrence. Holland

Mechanical Fits- Rotor

40. Shaft Runout 0.001 inches

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

2.3624

2.3624

2.3623

45. Drive End Bearing Shaft Fit Condition (P) Pass

46. Opposite Drive End Bearing Shaft Fit

0 Degrees

60 Degrees

120 Degrees

2.1657

2.1658

2.1657

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

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

5.119

5.1191

5.119

50. Drive End - Endbell Bearing Fit Condition

(P) Pass

51. Opposite Drive End - Endbell Bearing Fit

0 Degrees

60 Degrees

120 Degrees

4.7253

4.7253

4.7253

52. Opposite Drive End - Endbell Bearing Fit Condition

(P) Pass

53. Bearing Cap Condition

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Drive End Bearing Cap

Opposite Drive End Bearing Cap



54. End Bell Air Seal Fits

Drive End Air Seal

Opposite Drive End Air Seal

55. List Machine Work Needed Below

None

56. Technician

Terrence Holland

Root Cause of Failure

57. Failure locations

58. Root cause of failure

Bearing grease contaminated