



Hi-Speed Industrial Service
7030 Ryburn Dr
Millington, Tn 38053
901-873-5300

AC Recondition As Found

Hobby Electric
4390 Steel Bridge Road
Benton, AR 72019

FolderID: 99585
FormID: 13218406



AC Recondition - Rev. 2

Location: Shop
Serial Number: F2202042025

Hi-Speed Job Number:	99585
Manufacturer:	Baldor
Product Number:	VEBM3611T
Spec/ID #:	36E049S266G1
Serial Number:	F2202042025
HP/kW:	3 (HP)
RPM:	1760 (RPM)
Voltage:	230 / 460
Current:	8.4/4.2
Phase:	Three
Hz:	60 (Hz)
Enclosure:	TEFC
# of Leads:	9
J-box Included:	Complete
Coupling/Sheave:	None
Date Received:	03/31/2022
Bearing RTDs:	No
Stator RTDs:	No
Repair Stage:	Teardown Inspection
Rewind:	No
Shaft Machined Fit Repairs Required:	No
Bearing Housing Machined Fit Repairs Required:	No
Heaters:	No
Winding Type :	Random Wound
Bearing Type:	Rolling Element

Priorities Found: 10 - Good

Overall Condition



1. Report Date
2. Nameplate Picture

P18












3. Describe the Overall Condition of the Equipment as Received

Initial Mechanical/Electrical



4. Does Shaft Turn Freely? (Yes) Yes

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5.	Does Shaft Have Visible Damage?	(No) No	P10
			
6.	Assembled Shaft Runout	0.001 Inches	
7.	Assembled Shaft End Play	0.0004 inches	
8.	Air Gap Variation <10%		
9.	Lead Condition	(P) Pass	P29
			
10.	Lead Length	10 Inches	
11.	Frame Condition	pass	P51
			
12.	Fan Condition	(P) Pass	P53
			
13.	Broken or Missing Components		P57
<p> Zip tie connected on brake coil holding plunger down. Brake coil swollen and will not release on own. Brake pad burnt from powering through brake.</p>			
   			

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Initial Electrical Inspection



14.	Insulation Resistance/Megger	2000 Megohms	
15.	Winding Resistance		
	1-2	1-3	2-3
	0.2	0.2	0.2
16.	Perform Surge Test	(P) Pass	
17.	Stator Condition	pass	P38



Mechanical Inspection



18.	Drive End Bearing Number-	6206z	
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?	no	
23.	Drive End Wavy Washer/Snap-Ring Other Retention Device?	no	
24.	Drive End Bearing Condition	good	
25.	Opposite Drive End Bearing Number-	6205z	
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?	no	
30.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	wavy washer	P55

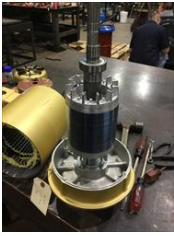


31.	Opposite Drive End Bearing Condition	good	
32.	Drive End Seal	no	
33.	Opposite Drive End Seal	no	

Rotor Inspection



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35. Growler Test (Pass) Pass

36. Number of Rotor Bars 28

37. Rotor Condition pass

38. List the Parts needed for the Repair Below

New brake coil and brake pad

39. Signature of Technician that Disassembled Motor Trevor Hall

Mechanical Fits- Rotor

40. Shaft Runout 0.001 inches

41. Rotor Runout

Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing
0.001	0.001	0.001

42. Coupling Fit Closest to Bearing Housing

0 Degrees	90 Degrees	120 Degrees
1.125	1.125	1.125

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
1.1814	1.1814	1.1814

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

46. Opposite Drive End Bearing Shaft Fit

0 Degrees	60 Degrees	120 Degrees
0.9846	0.9846	0.9846

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
2.4416	2.4416	2.4416

50.	Drive End - Endbell Bearing Fit Condition	(P) Pass		
51.	Opposite Drive End - Endbell Bearing Fit			
	0 Degrees	60 Degrees	120 Degrees	
	2.0478	2.0478	2.0478	
52.	Opposite Drive End - Endbell Bearing Fit Condition	(P) Pass		
53.	Bearing Cap Condition			
	Drive End Bearing Cap	Opposite Drive End Bearing Cap		
	pass			
54.	End Bell Air Seal Fits			
	Drive End Air Seal	Opposite Drive End Air Seal		
55.	List Machine Work Needed Below			
56.	Technician	Trevor Hall		
