



**KEEPING YOUR FACILITY UP TO SPEED**  
— EVERY DAY SINCE 1946 —

Motor Shop Repairs

**Job Number 99798**

Prepared for Custom Craft Poultry

3064 E Main St  
Batesville AR 72501

# Table of Contents



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

## AC Recondition As Found

### Custom Craft Poultry

3064 E Main St  
Batesville, AR 72501

FolderID: 99798  
FormID: 13597835



#### AC Recondition - Rev. 2

Location: Shop

Serial Number: 7015610-01-AD-P

Description: 200HP RAM 3600RPM 444TS

Hi-Speed Job Number:	99798
Manufacturer:	Other
Serial Number:	7015610-01-AD-P
HP/kW:	200 (HP)
RPM:	3570 (RPM)
Frame:	444TS
Voltage:	230 / 460
Current:	456/223
Phase:	Three
Hz:	60 (Hz)
Service Factor:	1.15
Enclosure:	ODP
J-box Included:	Complete
Coupling/Sheave:	None
Date Received:	05/13/2022
Bearing RTDs:	No
Stator RTDs:	No
Repair Stage:	Teardown Inspection
Heaters:	No
Winding Type :	Random Wound
Bearing Type:	Rolling Element

Priorities Found: ● 2 - High ● 6 - Good

#### Overall Condition

1. Report Date
2. Nameplate Picture

05/16/2022



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Printed on 5/16/2022

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1.0

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

*Dirty*



#### Initial Mechanical/Electrical

4. Does Shaft Turn Freely? (Yes) Yes

5. Does Shaft Have Visible Damage? (Yes) Yes

*Shaft has been cut*



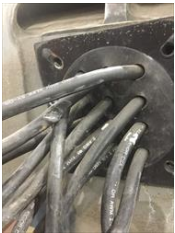
6. Assembled Shaft Runout 0.0005 Inches

7. Assembled Shaft End Play inches

8. Air Gap Variation <10%

9. Lead Condition (F) Fail

*Need lead fixed*



10. Lead Length 12 Inches

11. Frame Condition



12. Fan Condition






13. Broken or Missing Components


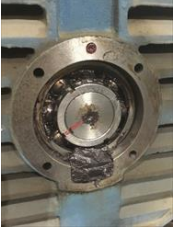
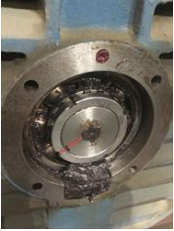

#### Initial Electrical Inspection

14. Insulation Resistance/Megger 4 Megohms

*Needs washed and baked*

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15. Winding Resistance		
1-2	1-3	2-3
16. Perform Surge Test		(P) Pass
17. Stator Condition		recondition
		
<b>Mechanical Inspection</b>		
18. Drive End Bearing Number-		6313c3
		
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?		locking nut
24. Drive End Bearing Condition		worn, has frosting
 		

25. Opposite Drive End Bearing Number-	6313c3
	
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?	lock nut
	
31. Opposite Drive End Bearing Condition	worn, has frosting
	
32. Drive End Seal	
33. Opposite Drive End Seal	
Rotor Inspection	

34. Rotor Type/Material

(Squirrel Aluminum) Squirrel  
Cage Aluminum Die Cast



35. Growler Test

(Pass) Pass

36. Number of Rotor Bars

40

37. Rotor Condition

38. List the Parts needed for the Repair Below

39. Signature of Technician that Disassembled Motor

Trevor Hall

### Mechanical Fits- Rotor

40. Shaft Runout

0.0005 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

2.5595




2.5595

2.5595



45. Drive End Bearing Shaft Fit Condition

(P) Pass

46. Opposite Drive End Bearing Shaft Fit			
0 Degrees	60 Degrees	120 Degrees	
2.5593	2.5594	2.5594	
			
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	
5.5128	5.5128	5.5128	
			
50. Drive End - Endbell Bearing Fit Condition			(P) Pass
51. Opposite Drive End - Endbell Bearing Fit			
0 Degrees	60 Degrees	120 Degrees	
5.5127	5.5127	5.5128	
			
52. Opposite Drive End - Endbell Bearing Fit Condition			(P) Pass
53. Bearing Cap Condition			
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			

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56. Technician

Trevor Hall



#### Root Cause of Failure

57. Failure locations

58. Root cause of failure

*Worn bearings and dirty windings*



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5. **DELIVERY OF GOODS AND/OR SERVICES.** Unless otherwise identified in the quotation, all shipments are F.O.B. Hi-Speed's warehouse and the title to and all risk of loss with respect to any goods shipped shall pass to Buyer when such goods are delivered to the carrier at Hi-Speed's warehouse. Hi-Speed will use its best efforts to affect delivery by the date or dates specified in the quotation. However, Hi-Speed shall not be liable for delay in or failure to make shipment, or to perform services, by any identified date for any reason whatsoever, including but not limited to, causes beyond its reasonable control, such as strikes, fires, floods, epidemics, quarantines, restrictions, severe weather, embargos, acts of God, or public enemy, war, riot, delays in transportation or the inability to obtain necessary labor, materials or manufacturing facilities.
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8. **WARRANTIES.** Hi-Speed warrants that all goods shall conform in all material aspects to the goods identified in the quotation to Buyer and/or purchase order, and Hi-Speed makes to Buyer the manufacturer's express warranty for any goods sold to Buyer, which is offered by the manufacturer at the time of acceptance of any quotation by Buyer. This warranty is conditioned upon the installation, operation, and maintenance of the goods in accordance with the manufacturer's recommendations and/or standard industry practice and the goods at all times being operated or used under normal operating conditions for which they were designed. Hi-Speed, at its sole option, will repair or

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