



**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       | 05/16/2022 |
| 2. Nameplate Picture |            |



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### 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*

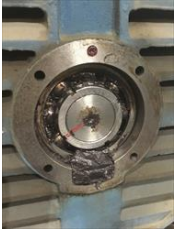
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15. Winding Resistance		
1-2	1-3	2-3
16. Perform Surge Test		(P) Pass
17. Stator Condition		recondition
		
<b>Mechanical Inspection</b>		
18. Drive End Bearing Number-		6313c3
		
19. Drive End Bearing Qty.		1
20. Drive End Bearing Type		(Ball) Ball 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
25. Opposite Drive End Bearing Number-		6313c3
		
26. Opposite Drive End Bearing Qty.		1
27. Opposite Drive End Bearing Type		(Ball) Ball Bearing

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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

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		
<b>Mechanical Fits- Bearing Housings</b>			
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

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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		
56. Technician		Trevor Hall
		
<b>Root Cause of Failure</b>		
57. Failure locations		
58. Root cause of failure		
<i>Worn bearings and dirty windings</i>		





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1. **APPLICABILITY.** The sale of any and all goods and/or services by Mock, Inc. d/b/a Hi-Speed Industrial Service ("Hi-Speed") shall be specifically conditioned upon and subject to the following terms and conditions which are incorporated by reference into any contracts and purchase orders with Hi-Speed, and which shall form and become a part of any agreement related thereto. Buyer's acceptance of any offer or quotation made by Hi-Speed for sale of any goods or services is expressly made subject to the terms and conditions set forth herein and to be so effective, Buyer need not sign or approve these Terms and Conditions to be bound hereunder provided a copy of same is provided to Buyer through any means. None of the terms and conditions contained herein may be added to, expanded, changed, modified, superseded or otherwise altered except as revised in writing and duly executed by Hi-Speed, and all orders received by Hi-Speed shall be governed only by the terms and conditions contained herein, notwithstanding any terms, conditions or provisions of any purchase order, release order, authorization or any other form issued by the Buyer. Hi-Speed hereby objects to any additional, modified, changed, deleted, altered or other terms and conditions not contained herein and notifies Buyer that any such terms or provisions are expressly rejected by Hi-Speed.
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4. **BILLING AND PAYMENT TERMS.** Hi-Speed shall invoice Buyer for all goods and/or services as same are rendered at the address listed on the quotation. Payments for all goods and/or services shall be due thirty (30) days from the date of the current invoice or as otherwise set forth in the quotation. Late payments are subject to a late fee of 5% of the total invoice amount. Recurring late payments may lead to a deposit requirement on future services or sale of goods. Buyer shall be liable to Hi-Speed for any and all fees and expenses incurred by Hi-Speed to collect any invoices or to enforce these Standard Terms and Conditions, including but not limited to, attorney's fees.
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6. **DELIVERY SITE AND TIME FOR PERFORMANCE.** Hi-Speed and Buyer agree that time is of the essence for the purchase order and that Buyer shall fully cooperate with Hi-Speed in order to allow Hi-Speed full access to prosecute its work diligently and in an orderly manner. Buyer shall assist Hi-Speed in every way possible to avoid delaying, disrupting or interfering with the progress of Hi-Speed's work at the project site. In the event Hi-Speed's work is delayed, hindered, suspended, disrupted, re-sequenced or interfered with or rendered less efficient or more costly or adversely affected in any way as a result of acts or omissions of Buyer or other contractors or employees of Buyer or by any other reason beyond Hi-Speed's control and without the fault of Hi-Speed, then, in such event, Buyer shall be liable to Hi-Speed for any damages, additional costs, expenses, labor, materials, man hours, acceleration costs, overtime, additional jobsite overhead, extended home office overhead, and any and all other direct and indirect expenses of whatsoever nature or kind, caused in whole or in part, as a result of any of the above-referenced occurrences. Hi-Speed's project records will be the basis for computing the additional costs and damages of Hi-Speed's labor, materials, expenses and overhead related to such changes. BUYER WARRANTS THAT THE SITE FOR DELIVERY OR INSTALLATION OF ANY GOODS AND/OR FOR THE PERFORMANCE OF ANY SERVICES SHALL BE READY AND ADEQUATE FOR HI-SPEED'S DELIVERY OF GOODS AND/OR PERFORMANCE OF SERVICES AND THAT HI-SPEED SHALL HAVE FULL ACCESS THERETO, FREE OF ALL OBSTRUCTIONS. BUYER SHALL ASSUME ALL EXTRA COSTS ASSOCIATED WITH HI-SPEED'S INABILITY TO INSTALL ANY GOODS OR PERFORM ANY SERVICES AS A RESULT OF BUYER'S FAILURE TO COMPLY WITH THIS PROVISION. HI-SPEED MAY NOT INSPECT THE SITE PRIOR TO DELIVERY AND/OR INSTALLATION OF GOODS AND/OR PERFORMANCE OF SERVICES AND MAKES NO WARRANTY AS TO THE SUFFICIENCY OF THE SITE FOR THE DELIVERY AND/OR INSTALLATION OF GOODS AND/OR THE PERFORMANCE OF SERVICES AT SUCH SITE.
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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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