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— EVERY DAY SINCE 1946 —

LR Motor Shop Repairs

Job Number 100532

Prepared for CoorsTek Inc.

3315 Boone Road
Benton AR 72015

Table of Contents

AC Recondition As Found - *LR MOTORSHOP*

AC Recondition - Rev. 2: *NO NP*

1.0

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Hi-Speed Industrial Service
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AC Recondition As Found

CoorsTek Inc.
3315 Boone Road
Benton, AR 72015

FolderID: 100532
FormID: 15025973

AC Recondition - Rev. 2

Location: LR MOTORSHOP

Serial Number: NO NP

Description: SMALL BLOWER FAN

Hi-Speed Job Number: 100532

Manufacturer: Other

Phase: Three

Hz: 60 (Hz)

Enclosure: TENV

of Leads: 3

J-box Included: None

Bearing RTDs: No

Stator RTDs: No

Repair Stage: Teardown Inspection

Heaters: No

Winding Type : Random Wound

Bearing Type: Rolling Element

Priorities Found: ● 4 - High ● 4 - Good

Overall Condition

1. Report Date
2. Nameplate Picture

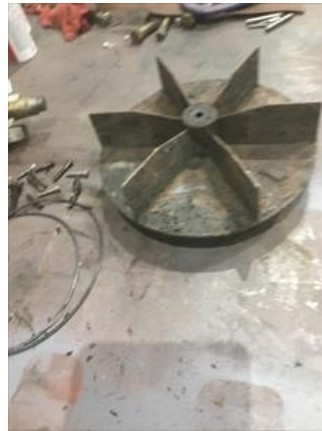


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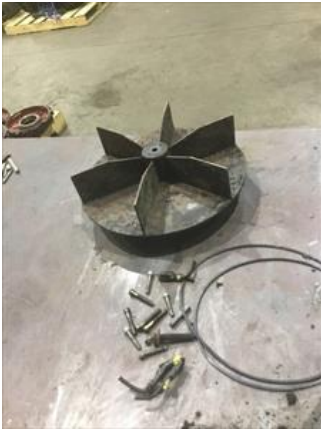
1.0





3.	Photos of all six sides of the machine.	
4.	Describe the Overall Condition of the Equipment as Received	
5.	Distance from the end of the shaft to the Coupling/Sheave	
Initial Mechanical/Electrical		
6.	Does Shaft Turn Freely?	(Yes) Yes
7.	Does Shaft Have Visible Damage?	(No) No
8.	Assembled Shaft Runout	
9.	Assembled Shaft End Play	
10.	Air Gap Variation <10%	
11.	Lead Condition	(F) Fail
12.	Lead Length	10 Inches
13.	Frame Condition	pass

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15. Broken or Missing Components

Initial Electrical Inspection

16. Insulation Resistance/Megger 0 Megohms

17. Winding Resistance

1-2

1-3

2-3

18. Perform Surge Test (F) Fail

19. Stator Condition rewind



Mechanical Inspection

20. Drive End Bearing Number-

6206 2RS



21. Drive End Bearing Qty.	1
22. Drive End Bearing Type	(Ball) Ball Bearing
23. Drive End Lubrication Type	(Grease) Grease Lubricated
24. Drive End Bearing Insulation or Grounding Device?	no
25. Drive End Wavy Washer/Snap-Ring Other Retention Device?	no
26. Drive End Bearing Condition	carriage came apart
27. Opposite Drive End Bearing Number-	6205 2RS
28. Opposite Drive End Bearing Qty.	1
29. Opposite Drive End Bearing Type	(Ball) Ball Bearing
30. Opposite Drive End Lubrication Type	(Grease) Grease Lubricated
31. Opposite Drive End Bearing Insulation or Grounding Device?	no
32. Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	wavy washer



33. Opposite Drive End Bearing Condition	okay
34. Drive End Seal	
35. Opposite Drive End Seal	
Rotor Inspection	
36. Rotor Type/Material	(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast
37. Growler Test	(Pass) Pass
38. Number of Rotor Bars	

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40. List the Parts needed for the Repair Below

1-6206 2RS 1-6205 2RS

41. Signature of Technician that Disassembled Motor

RW

Mechanical Fits- Rotor

42. Shaft Runout

43. Rotor Runout

Drive End Bearing Fit

Rotor Body

Opposite Drive End Bearing

44. Coupling Fit Closest to Bearing Housing

0 Degrees

90 Degrees

120 Degrees

45. Coupling Fit Closest to the end of the Shaft

0 Degrees

60 Degrees

120 Degrees

46. Drive End Bearing Shaft Fit

0 Degrees

60 Degrees

120 Degrees

1.1807

1.1802

1.1804

47. Drive End Bearing Shaft Fit Condition

(F) Fail



48. Opposite Drive End Bearing Shaft Fit

0 Degrees

60 Degrees

120 Degrees

0.9846

0.9846

0.9846

49. Opposite Drive End Bearing Shaft Fit Condition

(P) Pass



50. Shaft Air Seal Fits

Drive End Air Seal

Opposite Drive End Air Seal

Mechanical Fits- Bearing Housings

51. Drive End - Endbell Bearing Fit

0 Degrees

60 Degrees


120 Degrees

2.4416

2.4416

2.4416



53. Opposite Drive End - Endbell Bearing Fit		
0 Degrees	60 Degrees	120 Degrees
2.0493	2.0493	2.0493
54. Opposite Drive End - Endbell Bearing Fit Condition		(F) Fail
Resleeve		
55. Bearing Cap Condition		
Drive End Bearing Cap	Opposite Drive End Bearing Cap	
na	na	
56. End Bell Air Seal Fits		
Drive End Air Seal	Opposite Drive End Air Seal	
57. List Machine Work Needed Below		
De shaft bearing fit bad also ode end bell housing fit bad		
58. Technician		RW
		
Root Cause of Failure		
59. Failure locations		
De bearing failed causes the rotor to drag iron and burn up winding		
60. Root cause of failure		



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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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12. **ABANDONED EQUIPMENT.** Hi-Speed requires that Buyer promptly pick up or provide shipment instructions for Buyer equipment or other Buyer property in Hi-Speed's possession. If equipment or other Buyer property is left with Hi-Speed and not picked up within six (6) months after Hi-Speed's final action related to the applicable property (e.g. evaluation, teardown, estimate, completion of services), Hi-Speed will consider such property abandoned and may dispose of it in accordance with applicable law. Buyer agrees to hold Hi-Speed harmless for any damage or claim for such abandoned property and acknowledges that Hi-Speed may discard or recycle it at Hi-Speed's sole and absolute discretion. Specifically, Hi-Speed may sell Buyer's abandoned property at a private or public sale and retain the proceeds to offset Hi-Speed's storage, inspection and servicing costs. For the avoidance of doubt, Hi-Speed reserves its statutory and other lawful liens for unpaid charges related to abandoned property.
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