

AC Recondition As Found

CoorsTek Inc. 3315 Boone Road

AC Recondition - Rev. 2

Location:	LR MOTORSHOP
Serial Number:	NO NP
Description:SMA	LL 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:	Final
Heaters:	No
Winding Type :	Random Wound
Bearing Type:	Rolling Element

Priorities Found: **4 - High**

🔵 4 - Good

Overall Condition

- Report Date 1.
- 2. Nameplate Picture





FolderID: 100532 FormID: 15025973

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P21





	<image/>	
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	_
	Aechanical/Electrical	O
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

20. Number of Stator Slots	• 14. Fan Condition	(P) Pass	P54
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 P33 Ferform Surge Test (F) Fail 193 Stator Condition rewind P33 Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition Image: Stator Condition			_
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19. Stator ConditionrewindP3Image: Stator Stator Stator Stator StatorImage: Stator Stato			
20. Number of Stator Slots			
		rewind	P39
Mechanical Inspection			
	Mechanical Inspection		D

21.	Drive End Bearing Number-	6206 2RS	P8
		0200 213	
22.	Drive End Bearing Qty.	1	
22.	Drive End Bearing Gty.	(Ball) Ball Bearing	
23.	Drive End Lubrication Type	(Grease) Grease Lubricated	
24.	Drive End Bearing Insulation or Grounding Device?	(Grease) Grease Eublicated	
26.	Drive End Wavy Washer/Snap-Ring Other Retention Device?	no	
27.	Drive End Bearing Condition	carriage came apart	
28.	Opposite Drive End Bearing Number-	6205 2RS	
29.	Opposite Drive End Bearing Qty.	1	
30.	Opposite Drive End Bearing Type	(Ball) Ball Bearing	
31.	Opposite Drive End Lubrication Type	(Grease) Grease Lubricated	
32.	Opposite Drive End Bearing Insulation or Grounding Device?	no	
33.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	wavy washer	P56
34.	Opposite Drive End Bearing Condition	okay	
35.	Drive End Seal	•	
36.	Opposite Drive End Seal		
	Inspection		0
37.	Rotor Type/Material	(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast	
38.	Growler Test	(Pass) Pass	
20	Number of Poter Pare	- · · ·	

39. Number of Rotor Bars

40.	Rotor Condition		wash and bake	P23
41.	List the Parts needed for the Rep 1-6206 2RS 1-6205 2RS	air Below		
42.		ssembled Motor	RW	
f	2			
Mecha	inical Fits- Rotor			O
43.	Shaft Runout			
44.	Rotor Runout			
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing	
45.	Coupling Fit Closest to Bearing H	lousing		
	0 Degrees	90 Degrees	120 Degrees	
46.	Coupling Fit Closest to the end of			
	0 Degrees	60 Degrees	120 Degrees	
47.	Drive End Bearing Shaft Fit			
	0 Degrees	60 Degrees	120 Degrees	
	1.1807	1.1802	1.1804	

	Drive End Bearing Shaft Fit Con	dition		(F) Fail	P44
49.	Opposite Drive End Bearing Sha	aft Fit			
	0 Degrees	60 Degrees	120 Degrees		
	0.9846	0.9846	0.9846		
	and the second se				
51.	Shaft Air Seal Fits				
51.	Shaft Air Seal Fits Drive End Air Seal	Opposite Drive End Air Seal			
	Drive End Air Seal				
Necha	Drive End Air Seal anical Fits- Bearing Housings				
Necha	Drive End Air Seal		120 Degrees		

54 Opposite Drive End - Endbell Bearing Fit 120 Degrees 0 Degrees 60 Degrees 120 Degrees 2043 2043 2043 55. Opposite Drive End - Endbell Bearing Fit Condition (F) Fail 7 Radiove (F) Fail 8 Drive End Bearing Cap Opposite Drive End Bearing Cap 7 End Bearing Cap Opposite Drive End Air Seal 9 Drive End Air Seal Opposite Drive End Air Seal 58 List Machine Work Needed Below Rw 9 Drive End Air Seal Opposite Drive End Air Seal 59 Technician Rw Prover 60 Rotor Weight and Balance Grade 7 End Balance Report Rw Opposite Drive End Air Seal 60 Rotor Weight and Balance Grade Rw Drive End 1 Initial Balance Readings Drive End Drive End Opposite Drive End - 61 Initial Balance Readings Drive End Drive End Opposite Drive End - Grade	53.	Drive End - Endbell Bearing Fit Co	ondition	(P) Pass	P7	
0 Degrees 60 Degrees 120 Degrees 2.0493 2.0493 2.0493 55. Opposite Drive End - Endbell Bearing Fit Condition (F) Fail Resteeve 6 Bearing Cap Condition Drive End Bearing Cap Opposite Drive End Bearing Cap na na na na 57. End Bell Air Seal Fits Drive End Air Seal Drive End Air Seal Opposite Drive End Air Seal 58. List Machine Work Needed Below De shaft bearing fit bad also ode end bell housing fit bad 59. Technician RW 60. Rotor Weight and Balance Grade RW 61. Initial Balance Reaport Ender Grade 62. Final Balance Readings Drive End Drive End Opposite Drive End Ender Grade 63. Technician Generation of the Ender Grade 63. Technician Generation of the Ender Grade 64. Core Test Results - Watts loss per Pound Ender Grade						
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64. Core Test Results - Watts loss per Pound	63.	Technician				
	Rewind	k				
Pre-Burnout Post Burnout	64.	Core Test Results - Watts loss pe				
		Pre-Burnout	Post Burnout			

65.	Core Hot Spot Test			
05.	•			
	Pre-Burnout	Post-Burnout		
66.	Post Rewind Electrical Test- Insu	lation Resistance		
67.	Post Rewind Polarization Index			
68.	Post Rewind Winding Resistance			
	1-2	1-3	2-3	
69.	Post Rewind Surge Test			
70.	Post Rewind Hi-Pot			
71.	Technician			
	Cause of Failure			
72.	Failure locations			
	De bearing failed causes the rotor	to drag iron and burn up winding		
73.				_
	inical Fits- Rotor - Post Repai	r		0
74.	•			
75.				
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing	
76.	Coupling Fit Closest to Bearing H			
	0 Degrees	90 Degrees	120 Degrees	
77.	Coupling Fit Closest to the end of	f the Shaft Post Repair		
	0 Degrees	60 Degrees	120 Degrees	
78.	Drive End Bearing Shaft Fit Post	Repair		P400
	0 Degrees	60 Degrees	120 Degrees	
	1.1815	1.1814	1.1814	
1000	E Contraction			
18 P -	E Saidhair			
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different state				
	The second s			
	55			
79.	Opposite Drive End Bearing Shat	t Fit Post Repair		
70.	0 Degrees	60 Degrees	120 Degrees	
	0 Degrees	ou Degrees	120 Deylees	
80.	Shaft Air Seal Fits Post Repair			
00.	Drive End Air Seal	Opposite Drive End Air Seal		
	Drive Life All Geal	opposite Drive Litu Ali Seal		

81.	Shaft Repair Sign-off			
Mecha	nical Fits- Bearing Housings -	Post Repair		O
82.	Drive End - Endbell Bearing Fit Po	ost Repair		
	0 Degrees	60 Degrees	120 Degrees	
83.	Opposite Drive End - Endbell Bear	ring Fit Post Repair		P100
	0 Degrees	60 Degrees	120 Degrees	
	2.0475	2.0475	2.0474	
84.	Bearing Cap Condition Post Repa	ir		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap		
85.	End Bell Air Seal Fits Post Repair			
	Drive End Air Seal	Opposite Drive End Air Seal		
86.	End Bell Repair Sign-off			
Assem	bly			0
87.	Photograph All Major Components	s prior to assembly		
88.	Final Insulation Resistance Test			
89.	Assembled Shaft Endplay			
90.	Assembled Shaft Runout			
91.	Test Run Voltage			
	Volts	Volts	Volts	
92.	Test Run Amperage			
	Amps	Amps	Amps	
93.	Drive End Vibration Readings - Inc		A · · 1	
	Horizontal	Vertical	Axial	
0.4	Opposite Drive End Vibration Dag	dings Inchas Dar Second		
94.	Opposite Drive End Vibration Real		Avial	
	Horizontal	Vertical	Axial	
95.	Ambient Temperature - Fahrenhei	t		

96.	Drive End Bearing Temps			
	5 Minutes	10 Minutes	15 Minutes	
97.	Opposite Drive End Bearin	ng Temps - Fahrenheit		
	5 Minutes	10 Minutes	15 Minutes	
98.	Final Test Run Sign-off			
99.	Document Final Condition	with Pictures after paint		
100.	Final Pics and QC Review	2/1	Terrence Holland	P23(
	D232 0230 0231 0045 0042 0042		Prenz Changes Barandes 2 Barandes 2 Antening 3 Antening	









