



AC Inspection as Found
Ring Container Technologies (11634)
9000 Frazier Pike
Little Rock, AR 72206

FolderID: 101361
FormID: 16793326

AC Inspection - Rev. 2

Location: LR MOTOR SHOP

Serial Number: 01192

Description: 10HP SAMA BLOWER 3600RPM
132

Hi-Speed Job Number: 101361

Manufacturer: Other

Product Number: 132

Serial Number: 01192

HP/kW: 10 (HP)

RPM: 3428 (RPM)

Frame: 132

Voltage: 460

Current: 15

Phase: Three

Hz: 60 (Hz)

Enclosure: TEFC

J-box Included: Complete

Coupling/Sheave: Propeller

Bearing RTDs: No

Stator RTDs: No

Repair Stage: Final

Heaters: No

Winding Type : Random Wound

Bearing Type: Rolling Element

Priorities Found: ● 3 - High

● 5 - Good

Overall Condition



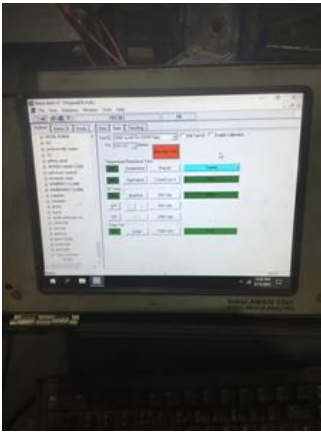
1. Report Date
2. Nameplate Picture

P37









3. Photos of all six sides of the machine.
4. Describe the Overall Condition of the Equipment as Received
Serviceable
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? | | |
| 8. Assembled Shaft Runout | | |
| 9. Assembled Shaft End Play | | |
| 10. Air Gap Variation <10% | | |
| 11. Lead Condition | (P) Pass | P55 |



- | | |
|---------------------|----------|
| 12. Lead Length | 6 Inches |
| 13. Frame Condition | pass |



15. Broken or Missing Components

2 front plate mount bolts

Initial Electrical Inspection

16. Insulation Resistance/Megger

Megohms

17. Winding Resistance

1-2

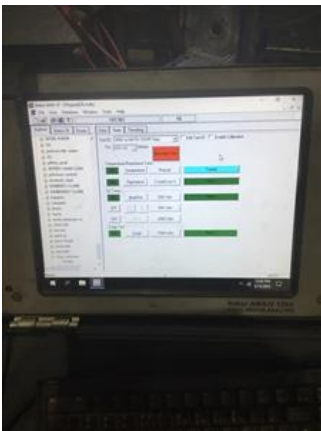
1-3

2-3

18. Perform Surge Test

(P) Pass

P57



19. Number of Stator Slots

20. Stator Condition

pass

21. Stator Thermistors/Ohms

22. Stator Overloads/Ohms

Mechanical Inspection

23. Drive End Bearing Brand

24. Drive End Bearing Number-

6208

25. Drive End Bearing Qty.

1

26. Drive End Bearing Type

(Ball) Ball Bearing

27. Drive End Lubrication Type

(Grease) Grease Lubricated

28. Drive End Bearing Insulation or Grounding Device?

none

29. Drive End Wavy Washer/Snap-Ring Other Retention Device?

yes

30. Drive End Bearing Condition

replace

31. Opposite Drive End Bearing Brand


32. Opposite Drive End Bearing Number-

6208

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33.	Opposite Drive End Bearing Qty.	1
34.	Opposite Drive End Bearing Type	(Ball) Ball Bearing
35.	Opposite Drive End Lubrication Type	(Grease) Grease Lubricated
36.	Opposite Drive End Bearing Insulation or Grounding Device?	none
37.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	none
38.	Opposite Drive End Bearing Condition	replace
39.	Drive End Seal	40*58*8
40.	Opposite Drive End Seal	40*58*8
Rotor Inspection		
41.	Rotor Type/Material	(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast
		
42.	Growler Test	(Pass) Pass
43.	Number of Rotor Bars	
44.	Rotor Condition	pass
45.	List the Parts needed for the Repair Below	
46.	Signature of Technician that Disassembled Motor	Terrence Holland
		
Mechanical Fits- Rotor		
47.	Shaft Runout	0.001 inches
48.	Rotor Runout	
	Drive End Bearing Fit	Rotor Body
		Opposite Drive End Bearing
49.	Coupling Fit Closest to Bearing Housing	
	0 Degrees	90 Degrees
		120 Degrees
50.	Coupling Fit Closest to the end of the Shaft	
	0 Degrees	60 Degrees
		120 Degrees
51.	Drive End Bearing Shaft Fit	
	0 Degrees	60 Degrees
		120 Degrees
	1.5746	1.5747
		1.5746

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52.	Drive End Bearing Shaft Fit Condition	(F) Fail	
53.	Opposite Drive End Bearing Shaft Fit		
	0 Degrees	60 Degrees	120 Degrees
	1.5747	1.5748	1.5747
54.	Opposite Drive End Bearing Shaft Fit Condition	(F) Fail	
55.	Shaft Air Seal Fits		
	Drive End Air Seal	Opposite Drive End Air Seal	
Mechanical Fits- Bearing Housings			
56.	Drive End - Endbell Bearing Fit		
	0 Degrees	60 Degrees	120 Degrees
	3.1486	3.1485	3.1486
57.	Drive End - Endbell Bearing Fit Condition	(F) Fail	
58.	Opposite Drive End - Endbell Bearing Fit		
	0 Degrees	60 Degrees	120 Degrees
	3.15	3.1498	3.1501
59.	Opposite Drive End - Endbell Bearing Fit Condition	(P) Pass	
60.	Bearing Cap Condition		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap	
61.	End Bell Air Seal Fits		
	Drive End Air Seal	Opposite Drive End Air Seal	
62.	List Machine Work Needed Below		
	<i>Both shaft fits bad, D.E housing fit measures too small.</i>		
63.	Technician	Terrence Holland	
			
Dynamic Balance Report			
64.	Rotor Weight and Balance Grade		
	Rotor Weight	Balance Grade	
65.	Initial Balance Readings		
	Drive End	Opposite Drive End	
66.	Final Balance Readings		
	Drive End	Opposite Drive End	
67.	Technician		
Rewind			
68.	Core Test Results - Watts loss per Pound		
	Pre-Burnout	Post Burnout	

69.	Core Hot Spot Test		
	Pre-Burnout	Post-Burnout	
70.	Post Rewind Electrical Test- Insulation Resistance		
71.	Post Rewind Polarization Index		
72.	Post Rewind Winding Resistance		
	1-2	1-3	2-3
73.	Post Rewind Surge Test		
74.	Post Rewind Hi-Pot		
75.	Technician		
Root Cause of Failure			
76.	Failure locations		
77.	Root cause of failure		
Mechanical Fits- Rotor - Post Repair			
78.	Shaft Runout Post Repair		
79.	Rotor Runout Post Repair		
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing
80.	Coupling Fit Closest to Bearing Housing Post Repair		
	0 Degrees	90 Degrees	120 Degrees
81.	Coupling Fit Closest to the end of the Shaft Post Repair		
	0 Degrees	60 Degrees	120 Degrees
82.	Drive End Bearing Shaft Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
83.	Opposite Drive End Bearing Shaft Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
84.	Shaft Air Seal Fits Post Repair		
	Drive End Air Seal	Opposite Drive End Air Seal	
85.	Shaft Repair Sign-off		
Mechanical Fits- Bearing Housings - Post Repair			
86.	Drive End - Endbell Bearing Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
87.	Opposite Drive End - Endbell Bearing Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
88.	Bearing Cap Condition Post Repair		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap	

89.	End Bell Air Seal Fits Post Repair		
	Drive End Air Seal	Opposite Drive End Air Seal	
90.	End Bell Repair Sign-off		
Assembly			
91.	QC Check All Parts for Cleanliness Prior to Assembly		
92.	Photograph All Major Components prior to assembly		
93.	Final Insulation Resistance Test		
94.	Assembled Shaft Endplay		
95.	Assembled Shaft Runout		
96.	Test Run Voltage		
	Volts	Volts	Volts
97.	Test Run Amperage		
	Amps	Amps	Amps
98.	Drive End Vibration Readings - Inches Per Second		
	Horizontal	Vertical	Axial
99.	Opposite Drive End Vibration Readings - Inches Per Second		
	Horizontal	Vertical	Axial
100.	Ambient Temperature - Fahrenheit		
101.	Drive End Bearing Temps - Fahrenheit		
	5 Minutes	10 Minutes	15 Minutes
102.	Opposite Drive End Bearing Temps - Fahrenheit		
	5 Minutes	10 Minutes	15 Minutes
103.	Document Final Condition with Pictures after paint		
104.	Final Pics and QC Review		