

LR Motor Shop Repairs

Job Number 100595

Prepared for Ring Container Technologies (11634)

9000 Frazier Pike Little Rock AR 72206

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AC Recondition - Rev. 2: A00749849

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AC Recondition As Found Ring Container Technologies (11634)

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AC Recondition - Rev. 2

LR MOTOR SHOP Location: Serial Number: A00749849

Description: 10HP SAMA BLOWER 3600RPM 132S

Hi-Speed Job Number:	100595
Manufacturer:	Other
Product Number:	IN132SB/2 IE2 B3
Serial Number:	A00749849
HP/kW:	10 (HP)
RPM:	3530 (RPM)
Frame:	132S
Voltage:	460
Current:	13.5
Phase:	Three
Hz:	60 (Hz)
Enclosure:	TEFC
J-box Included:	Complete
Coupling/Sheave:	Propeller
Bearing RTDs:	No
Stator RTDs:	No
Heaters:	No
Winding Type :	Random Wound
Bearing Type:	Rolling Element

Priorities Found: **2 - High**



6 - Good

Overall Condition

- Report Date
- Nameplate Picture





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%





12. Lead Length 6 Inches

13. Frame Condition





14. Fan Condition
(P) Pass



15. Broken or Missing Components

2 ea bolts missing

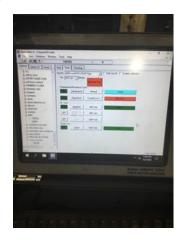


Initial Electrical Inspection

- 16. Insulation Resistance/Megger
- 17. Winding Resistance

1-2 1-3 2-3

18. Perform Surge Test





(P) Pass



19. Number of Stator Slots

20. Stator Condition good





Mechanical Inspection

21. Drive End Bearing Number- 6308 2Z/C3







22. Drive End Bearing Qty.	1
23. Drive End Bearing Type	(Ball) Ball Bearing
24. Drive End Lubrication Type	(Grease) Grease Lubricated
25. Drive End Bearing Insulation or Grounding Device?	none



27. Drive End Bearing Condition

replace

28. Opposite Drive End Bearing Number-

6308 2Z/C3





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?	none
33. Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	none
34. Opposite Drive End Bearing Condition	replace



35. Drive End Seal 40*55*7



36. Opposite Drive End Seal

40*55*7



Rotor Inspection

37. Rotor Type/Material



38. Growler Test (Pass) Pass

39. Number of Rotor Bars

40. Rotor Condition pass

41. List the Parts needed for the Repair Below

308 sleeve for D.E. housing. Repair ODE shaft bearing journal. 2 ea lip seals for DE and ODE housings. 40*55*7

42.	Signature of Technician t	hat Disassembled Motor
/		2////

Mechanical Fits- Bearing Housings

Mecha	anical Fits- Rotor		
43.	Shaft Runout		0.001 inches
44.	Rotor Runout		
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing
45.	Coupling Fit Closest to Bearing Housi	ng	
	0 Degrees	90 Degrees	120 Degrees
40	0 15 500 11 11 1 11	01. 6	
46.	3		
	0 Degrees	60 Degrees	120 Degrees
47	Drive End Bearing Shoft Fit		
47.	Drive End Bearing Shaft Fit		
	0 Degrees	60 Degrees	120 Degrees
	1.575	1.5749	1.5748
4 8.	Drive End Bearing Shaft Fit Condition		(P) Pass
49.	Opposite Drive End Bearing Shaft Fit		
	0 Degrees	60 Degrees	120 Degrees
	1.5747	1.5748	1.5747
5 0.	Opposite Drive End Bearing Shaft Fit	Condition	(F) Fail
51.	Shaft Air Seal Fits		
	Drive End Air Seal	Opposite Drive End Air Seal	

Terrence Holland

0 Degrees 60 Degrees 120 Degrees







53. Drive End - Endbell Bearing Fit ConditionPitted

(F) Fail





54.	i4. Opposite Drive End - Endbell Bearing Fit			
	0 Degrees	60 Degrees	120 Degrees	
	3.5436	3.5437	3.5436	
5 5.	55. Opposite Drive End - Endbell Bearing Fit Condition			(P) Pass

56.	Bearing Cap Condition			
	Drive End Bearing Cap	Opposite Drive End Bearing Cap		
57.	. End Bell Air Seal Fits			
	Drive End Air Seal	Opposite Drive End Air Seal		
58.	List Machine Work Needed Below			
00.	Sleeve D.E. housing fit. ODE shaft bea	ring journal worn.		
59.	Technician	Terrence. Holland		
/-	J.	ll)		
Dynar	nic Balance Report			
60.	Rotor Weight and Balance Grade			
	Rotor Weight	Balance Grade		
61	Initial Balance Readings			
01.	Drive End	Opposite Drive End		
	Drive Life	Opposite Drive Life		
62.	Final Balance Readings			
	Drive End	Opposite Drive End		
	Technician			
Rewir				
64.	Core Test Results - Watts loss per Po			
	Pre-Burnout	Post Burnout		
65.	Core Hot Spot Test			
	Pre-Burnout	Post-Burnout		
66.	Post Rewind Electrical Test- Insulation	on Resistance		
67.	Post Rewind Polarization Index			
68.	Post Rewind Winding Resistance			
	1-2	1-3 2-3		
00	Poot Dowind Cores Tool			
	Post Rewind Surge Test			
	Post Rewind Hi-Pot Technician			
	Cause of Failure			
	Failure locations			
12.		rnal worn. Both bearings have frosting inside of them. Also grease inside both		
73.	Root cause of failure			

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Mechanical Fits- Rotor - Post Repair
74. Shaft Runout Post Repair

75.	Rotor Runout Post Repair			
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing	
76.	Coupling Fit Closest to Bearing Housi	ng Post Repair		
	0 Degrees	90 Degrees	120 Degrees	
77.	Coupling Fit Closest to the end of the	Shaft Post Repair		
	0 Degrees	60 Degrees	120 Degrees	
78.	78. Drive End Bearing Shaft Fit Post Repair			
	0 Degrees	60 Degrees	120 Degrees	
79.	Opposite Drive End Bearing Shaft Fit	Post Repair		
	0 Degrees	60 Degrees	120 Degrees	
	1.5753	1.5753	1.5753	



80.	Shaft Air Seal Fits Post Repair				
	Drive End Air Seal	Opposite Drive End Air Seal			
81.	Shaft Repair Sign-off				
Mech	Mechanical Fits- Bearing Housings - Post Repair				
82.	82. Drive End - Endbell Bearing Fit Post Repair				
	0 Degrees	60 Degrees	120 Degrees		

83.	3. Opposite Drive End - Endbell Bearing Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
	3.5442	3.5442	3.5442



84.	Bearing Cap Condition Post Repair	
	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	

Assembly

87. Photograph All Major Components prior to assembly



















88. Final Insulation Resistance	Test		
89. Assembled Shaft Endplay			
90. Assembled Shaft Runout			
91. Test Run Voltage			
Volts	Volts	Volts	
461	459	460	



92.	92. Test Run Amperage			
	Amps	Amps	Amps	
	5.8	5.6	5.4	
93.	Drive End Vibration Readings - Inches Per Second			
	Horizontal	Vertical	Axial	
	0.06	0.03	0.01	
94.	Opposite Drive End Vibration Readings - Inches Per Second			
	Horizontal	Vertical	Axial	
	0.06	0.03	0.01	
95.	Ambient Temperature - Fahrenheit			
96.	Drive End Bearing Temps - Fahrenheit			
	5 Minutes	10 Minutes	15 Minutes	
97.	Opposite Drive End Bearing Temps -	posite Drive End Bearing Temps - Fahrenheit		
	5 Minutes	10 Minutes	15 Minutes	



99. Document Final Condition with Pictures after paint









100. Final Pics and QC Review



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