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2592 AR Hwy 15 N  
Lonoke, AR 72086

Bearing Type:	Rolling Element
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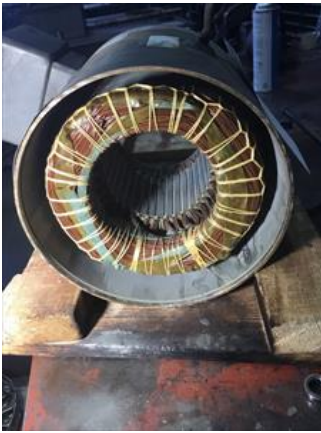
P21

P27










4. Describe the Overall Condition of the Equipment as Received

**Initial Mechanical/Electrical**



5.	Does Shaft Turn Freely?	(Yes) Yes
6.	Does Shaft Have Visible Damage?	(No) No
7.	Assembled Shaft Runout	0.001 Inches
8.	Assembled Shaft End Play	
9.	Air Gap Variation <10%	

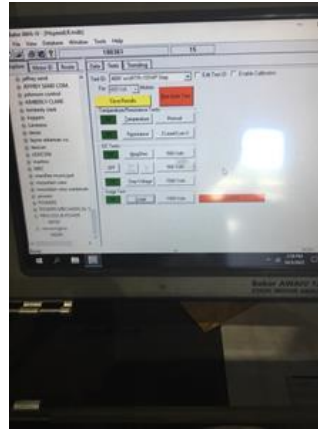
10. Lead Condition	(P) Pass	P32
		
11. Lead Length		
12. Frame Condition	rewind	
13. Fan Condition	(P) Pass	P53



14. Broken or Missing Components		
Initial Electrical Inspection 		
15. Insulation Resistance/Megger	Megohms	P5



16. Winding Resistance		
1-2	1-3	2-3



18. Stator Condition

rewind

**Mechanical Inspection**

19. Drive End Bearing Number-

6307Z

P8



20. Drive End Bearing Qty.

1

21. Drive End Bearing Type

(Ball) Ball Bearing

22. Drive End Lubrication Type

(Grease) Grease Lubricated

23. Drive End Bearing Insulation or Grounding Device?

none

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

none

25. Drive End Bearing Condition





replace

26. Opposite Drive End Bearing Number-

6206

P46












27. Opposite Drive End Bearing Qty.	1	
28. Opposite Drive End Bearing Type	(Ball) Ball Bearing	
29. Opposite Drive End Lubrication Type	(Grease) Grease Lubricated	
30. Opposite Drive End Bearing Insulation or Grounding Device?	none	
31. Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	yes	P55
		
32. Opposite Drive End Bearing Condition	replace	
33. Drive End Seal	none	
34. Opposite Drive End Seal	none	
<b>Rotor Inspection</b> 		
35. Rotor Type/Material	(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast	P3
		
36. Growler Test	(Pass) Pass	
37. Number of Rotor Bars		
38. Rotor Condition	pass	
39. List the Parts needed for the Repair Below		
	<i>Fan cover missing. O.D.E shaft bearing journal bad. Re-sleeve both housing fits.</i>	
40. Signature of Technician that Disassembled Motor	Terrence Holland	
		

### Mechanical Fits- Rotor

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41.	Shaft Runout	0.001 inches	
42.	Rotor Runout		
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing
43.	Coupling Fit Closest to Bearing Housing		
	0 Degrees	90 Degrees	120 Degrees
44.	Coupling Fit Closest to the end of the Shaft		
	0 Degrees	60 Degrees	120 Degrees
45.	Drive End Bearing Shaft Fit		
	0 Degrees	60 Degrees	120 Degrees
	1.3782	1.3782	1.3782
 46.	Drive End Bearing Shaft Fit Condition	(P) Pass	
47.	Opposite Drive End Bearing Shaft Fit		
	0 Degrees	60 Degrees	120 Degrees
	1.181	1.1807	
	Bad. Minimum limit is1.1812		
 48.	Opposite Drive End Bearing Shaft Fit Condition	(F) Fail	
49.	Shaft Air Seal Fits		
	Drive End Air Seal	Opposite Drive End Air Seal	
Mechanical Fits- Bearing Housings 			
50.	Drive End - Endbell Bearing Fit		
	0 Degrees	60 Degrees	120 Degrees
	3.1512	3.1513	
	Max allowed is 3.1503		
 51.	Drive End - Endbell Bearing Fit Condition	(F) Fail	
52.	Opposite Drive End - Endbell Bearing Fit		
	0 Degrees	60 Degrees	120 Degrees
	Pitted		
 53.	Opposite Drive End - Endbell Bearing Fit Condition	(F) Fail	
	Pitted. Re sleeve.		



Drive End Bearing Cap

Opposite Drive End Bearing Cap

 Good

55. End Bell Air Seal Fits

Drive End Air Seal

Opposite Drive End Air Seal

56. List Machine Work Needed Below

*O.D.E shaft bearing journal.*

57. Technician

Terrence. Holland

**Root Cause of Failure**

58. Failure locations

*Re-wind stator. Sleeve both housing fits. O.D.E shaft bearing journal bad.*

59. Root cause of failure