

FolderID: 100702  
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2592 AR Hwy 15 N  
Lonoke, AR 72086

Bearing Type:	Rolling Element
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P20



P27









4. Describe the Overall Condition of the Equipment as Received  
Serviceable

**Initial Mechanical/Electrical**



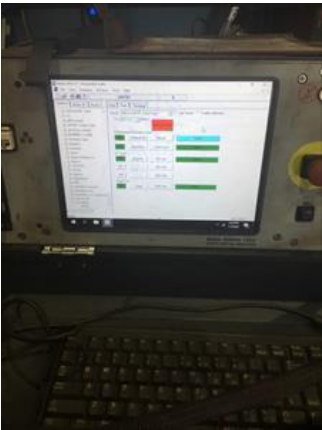




● 5. Does Shaft Turn Freely?

(No) No

6.	Does Shaft Have Visible Damage?	(No) No	P11
			
7.	Assembled Shaft Runout		
8.	Assembled Shaft End Play		
9.	Air Gap Variation <10%		
10.	Lead Condition	(P) Pass	P32
			
11.	Lead Length	12 Inches	
12.	Frame Condition	pass	
13.	Fan Condition	(P) Pass	P54
			
14.	Broken or Missing Components	4 each housing mount bolts.	
<b>Initial Electrical Inspection</b> 			
15.	Insulation Resistance/Megger		

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16. Winding Resistance		
1-2	1-3	2-3
17. Perform Surge Test	(P) Pass	P35
		
18. Number of Stator Slots		
19. Stator Condition	pass	
<b>Mechanical Inspection</b>		
20. Drive End Bearing Number-	7309	P8
  		
21. Drive End Bearing Qty.	1	
22. Drive End Bearing Type	(Thrust) Thrust	
23. Drive End Lubrication Type	(Grease) Grease Lubricated	

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24.	Drive End Bearing Insulation or Grounding Device?	<b>none</b>	
25.	Drive End Wavy Washer/Snap-Ring Other Retention Device?	<b>none</b>	
26.	Drive End Bearing Condition	<b>replace.</b>	
27.	Opposite Drive End Bearing Number-	<b>6208</b>	
28.	Opposite Drive End Bearing Qty.	<b>1</b>	
29.	Opposite Drive End Bearing Type	<b>(Ball) Ball Bearing</b>	
30.	Opposite Drive End Lubrication Type	<b>(Grease) Grease Lubricated</b>	
31.	Opposite Drive End Bearing Insulation or Grounding Device?	<b>none</b>	
32.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	<b>yes</b>	P56

2 each



33. Opposite Drive End Bearing Condition

**cage failure**

P57



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34. Drive End Seal

replace

P59

Cho: 13369. (1.687, 2.275, 0.313)



35. Opposite Drive End Seal

none

**Rotor Inspection**

36. Rotor Type/Material

(Squirrel Aluminum) Squirrel  
Cage Aluminum Die Cast

37. Growler Test

38. Number of Rotor Bars

39. Rotor Condition

pass

40. List the Parts needed for the Repair Below

Replace all 4 end bell mount bolts. Replace broken fan cover. Re-sleeve ODE housing.

41. Signature of Technician that Disassembled Motor

Terrence Holland

**Mechanical Fits- Rotor**

42. Shaft Runout

inches

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

1.7721

1.772

1.7719

☒ 47. Drive End Bearing Shaft Fit Condition

(P) Pass

48. Opposite Drive End Bearing Shaft Fit

0 Degrees

60 Degrees

120 Degrees

1.575

1.575

1.575

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49.	Opposite Drive End Bearing Shaft Fit Condition	(P) Pass
50.	Shaft Air Seal Fits	
	Drive End Air Seal      Opposite Drive End Air Seal	
<b>Mechanical Fits- Bearing Housings</b>		
51.	Drive End - Endbell Bearing Fit	
	0 Degrees      60 Degrees      120 Degrees	
	<b>3.9374</b> <b>3.9376</b> <b>3.9375</b>	
52.	Drive End - Endbell Bearing Fit Condition	(P) Pass
53.	Opposite Drive End - Endbell Bearing Fit	
	0 Degrees      60 Degrees      120 Degrees	
	Lip worn in.	
54.	Opposite Drive End - Endbell Bearing Fit Condition	(F) Fail
55.	Bearing Cap Condition	P30
	Drive End Bearing Cap      Opposite Drive End Bearing Cap	
	pass      pass	
		
56.	End Bell Air Seal Fits	
	Drive End Air Seal      Opposite Drive End Air Seal	
57.	List Machine Work Needed Below	
	ODE housing fit grooved.	
58.	Technician	Terrence Holland
		
<b>Root Cause of Failure</b>		
59.	Failure locations	
	Grease contaminated with water. ODE bearing cage failed.	



*Moisture inside stator. Contaminated grease in both bearings. Cage failure on ODE bearing.*

