

AC Recondition As Found

City of Batesville (012100)

500 Riverbank Batesville, AR 72501

AC Recondition - Rev. 2

Location:	Shop
Serial Number:	A2102222057

Description:250HP BALDOR 3600RPM 449TS

8 - Good

Bearing Type:

101110
Baldor
ECP44252T-4
P44G3950
A2102222057
250 (HP)
3570 (RPM)
449TS
460
269
Three
60 (Hz)
1.15
TEFC
None
Coupling
No
No
Final
No
Random Wound

Rolling Element

Priorities Found: 🔵 1 - High

- **Overall Condition**
- 1. Report Date
 - 2. Nameplate Picture



Photos of all six sides of the machine. 3.

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FolderID: 101110 FormID: 16248651

P45

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P37









































4.	Describe the Overall Condition of the Equipment as Received		
5.	Distance from the end of the shaft to the Coupling/Sheave	0 inches	F
	Flush		
	Mechanical/Electrical		
6.	Does Shaft Turn Freely?	(Yes) Yes	
7. 8.	Does Shaft Have Visible Damage? Assembled Shaft Runout	(No) No 0.001 Inches	F
K			
9.	Assembled Shaft End Play		
10.	Air Gap Variation <10%		

• 11.	Lead Condition			(P) Pass		P56
12.	Lead Length			17 Inches		
13.	Stator Temperature Detector Rat					
	Quantity	Rating	Quantity Passed			
14.	Bearing Temperature Detector Ra	ating and Function				
	Quantity	Rating	Quantity Passed			
15.	Frame Condition			pass		
16.	Fan Condition			(P) Pass		P104
17.	Heater Quantity, Ratings	Volto/Motto	Pass/Fail			
	Quantity	Volts/Watts	Pass/Fall			
18.	Broken or Missing Components					
	Electrical Inspection				0	
19.	Insulation Resistance/Megger					
20.	Winding Resistance					
	1-2	1-3	2-3			

21.	Perform Surge Test			(F) Fail	P58
22.	Number of Stator Slots				
23.	Stator Condition				
	nical Inspection				
24.	Drive End Bearing Brand				
25.	Drive End Bearing Number-				
26.	Drive End Bearing Qty.				
27. 28.	Drive End Bearing Type Drive End Lubrication Type				
28.	Drive End Bearing Insulation or (Prounding Dovico?			
29. 30.	Drive End Wavy Washer/Snap-R	-			
30.	Drive End Bearing Condition				
32.	Opposite Drive End Bearing Brar	ad			
33.	Opposite Drive End Bearing Nun				
34.	Opposite Drive End Bearing Qty.				
35.	Opposite Drive End Bearing Type				
36.	Opposite Drive End Lubrication 7				
37.	Opposite Drive End Bearing Insu				
38.	Opposite Drive End Wavy Wash	er/Snap-Ring Other Retention Device	?		
39.	Opposite Drive End Bearing Con	dition			
40.	Drive End Seal				
41.	Opposite Drive End Seal				
42.	DE Sleeve Bearing Inside Diame	ter			
	0 degrees	120 degrees	240 degrees		
43.	DE Sleeve Bearing Outside Dian	neter			
	0 degrees	120 degrees	240 degrees		
44.	DE Sleeve Bearing Housing Insid				
	0 degrees	120 degrees	240 degrees		
45.	DE Sleeve Bearing to Housing C				
	0 degrees	120 degrees	240 degrees		

46.				
	ODE Sleeve Bearing Inside Dia	ameter		
	0 degrees	120 degrees	240 degrees	
47.	ODE Sleeve Bearing Outside D	liameter		
	0 degrees	120 degrees	240 degrees	
	5	5	5	
48.	ODE Sleeve Bearing Housing I	nside Diameter		
	0 degrees	120 degrees	240 degrees	
	0 409.000	120 0091000	210 009.000	
49.	ODE Sleeve Bearing to Housin	d Clearance		
10.	0 degrees	120 degrees	240 degrees	
	0 degrees	120 degrees	240 degrees	
Deterl	Increation			-
				P3
50.	Rotor Type/Material		(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast	P3
51. 52.	Growler Test Number of Rotor Bars			
53. 54.	Rotor Condition List the Parts needed for the Re	-		
53.	Rotor Condition	-	Terrence Holland	
53. 54.	Rotor Condition List the Parts needed for the Re	-	Terrence Holland	
53. 54. 55.	Rotor Condition List the Parts needed for the Re	-	Terrence Holland	
53. 54. 55.	Rotor Condition List the Parts needed for the Re Signature of Technician that Di	-	Terrence Holland 0.001 inches	
53. 54. 55.	Rotor Condition List the Parts needed for the Ro Signature of Technician that Di nical Fits- Rotor	-		
53. 54. 55. Mecha 56.	Rotor Condition List the Parts needed for the Ro Signature of Technician that Di nical Fits- Rotor Shaft Runout	-		
53. 54. 55. Mecha 56.	Rotor Condition List the Parts needed for the Ro Signature of Technician that Di nical Fits- Rotor Shaft Runout Rotor Runout		0.001 inches	
53. 54. 55. Mecha 56.	Rotor Condition List the Parts needed for the Ro Signature of Technician that Di nical Fits- Rotor Shaft Runout Rotor Runout	Rotor Body	0.001 inches	
53. 54. 55. Mecha 56. 57.	Rotor Condition List the Parts needed for the Ro Signature of Technician that Di nical Fits- Rotor Shaft Runout Rotor Runout Drive End Bearing Fit	Rotor Body	0.001 inches	

65. Drive End - Endbell Bearing Fit0 Degrees60 Degrees120 Degrees5.51235.51245.512466. Drive End - Endbell Bearing Fit Condition(P) Pass67. Opposite Drive End - Endbell Bearing Fit(P) Pass0 Degrees60 Degrees120 Degrees5.51235.51245.5123						
60. Drive End Bearing Shaft Fit 0 Degrees 60 Degrees 120 Degrees 2.5597 2.5597 2.5597 61. Drive End Bearing Shaft Fit Condition (P) Pass 62. Opposite Drive End Bearing Shaft Fit 0 Degrees 0 Degrees 60 Degrees 120 Degrees 2.5592 2.5592 (P) Pass 63. Opposite Drive End Bearing Shaft Fit Condition (P) Pass 64. Shaft Air Seal Fits (P) Pass 0 Drive End Air Seal Opposite Drive End Air Seal Mechanical Fits- Bearing Housings 65. Drive End - Endbell Bearing Fit 0 Degrees 0 Degrees 60 Degrees 120 Degrees 5.5123 5.5124 5.5124	59.	Coupling Fit Closest to the end	of the Shaft			
0 Degrees60 Degrees120 Degrees2.55972.55972.559761.Drive End Bearing Shaft Fit Condition(P) Pass62.Opposite Drive End Bearing Shaft Fit120 Degrees2.55922.5592120 Degrees63.Opposite Drive End Bearing Shaft Fit Condition(P) Pass64.Shaft Air Seal Fits(P) Pass0 Degrees0 popsite Drive End Air Seal(P) Pass65.Drive End Air SealOpposite Drive End Air SealKechanical Fits- Bearing Housings5.12366.Drive End - Endbell Bearing Fit0 Degrees60 Degrees120 Degrees5.51235.51245.512467.Opposite Drive End - Endbell Bearing Fit(P) Pass67.Opposite Drive End -		0 Degrees	60 Degrees	120 Degrees		
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67. Opposite Drive End - Endbell Bearing Fit 0 Degrees 60 Degrees 120 Degrees 5.5123 5.5124 5.5123		5.5123	5.5124	5.5124		
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		0 Degrees	60 Degrees	120 Degrees		
		-	· · · · · · · · · · · · · · · · · · ·	-		
68. Opposite Drive End - Endbell Bearing Fit Condition(P) Pass	68.	Opposite Drive End - Endbell Be	earing Fit Condition		(P) Pass	

69. Bearing Cap Condition Drive End Bearing Cap pass

Opposite Drive End Bearing Cap pass



70. End Bell Air Seal Fits





Drive End Air Seal Opposite Drive End Air Seal 71. List Machine Work Needed Below None 72. Technician **Terrence Holland** 2/M_C **Dynamic Balance Report** 73. Rotor Weight and Balance Grade Rotor Weight **Balance Grade** 74. Initial Balance Readings Drive End **Opposite Drive End**

75	Final Palance Peedings		
75.	Final Balance Readings		
	Drive End	Opposite Drive End	
76.	Technician		
Rewine			
		an Davind	
11.	Core Test Results - Watts loss p		
	Pre-Burnout	Post Burnout	
78.	Core Hot Spot Test		
70.	Pre-Burnout	Post-Burnout	
	rie-Dumout	r öst-bumöut	
79.	Post Rewind Electrical Test- Insu	lation Resistance	
80.	Post Rewind Polarization Index		
81.	Post Rewind Winding Resistance		
	1-2	1-3	2-3
82.	Post Rewind Surge Test		
83.	Post Rewind Hi-Pot		
84.	Technician		
Root C	Cause of Failure		
85.	Failure locations		
	Windings shorted		
86.	Root cause of failure		
Mecha	nical Fits- Rotor - Post Repai	r	
87.	Shaft Runout Post Repair		
88.	Rotor Runout Post Repair		
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing
89.	Coupling Fit Closest to Bearing H	lousing Post Repair	
	0 Degrees	90 Degrees	120 Degrees
90.	Coupling Fit Closest to the end o		
	0 Degrees	60 Degrees	120 Degrees
91.	Drive End Bearing Shaft Fit Post	•	
	0 Degrees	60 Degrees	120 Degrees
00	Opposite Drive End Bearing Sha	ft Eit Doct Popoir	
92.		•	120 Degrees
	0 Degrees	60 Degrees	120 Degrees
93.	Shaft Air Seal Fits Post Repair		
33.	Drive End Air Seal	Opposite Drive End Air See	
	Drive Eriu Ali Seal	Opposite Drive End Air Seal	
94.	Shaft Repair Sign-off		
	nical Fits- Bearing Housings	- Post Renair	
weena	incarries bearing nousings		

95.	Drive End - Endbell Bearing Fit Po	ost Repair		
	0 Degrees	60 Degrees	120 Degrees	
96.	Opposite Drive End - Endbell Bea	ring Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees	
	o Degrees	of Degrees	120 Degrees	
07	Bearing Cap Condition Post Repa	:-		
97.				
	Drive End Bearing Cap	Opposite Drive End Bearing Cap		
98.	End Bell Air Seal Fits Post Repair			
	Drive End Air Seal	Opposite Drive End Air Seal		
99.	DE Sleeve Bearing Inside ID Post	Repair		
	Measure 1	Measure 2	Measure 3	
100.	DE Sleeve Bearing Outside ID Po	st Repair		
	Measure 1	Measure 2	Measure 3	
101	DE Sleeve Bearing Inside OD Pos	st Repair		
.01.	Measure 1	Measure 2	Measure 3	
	Measure I	Measure 2	Measure 5	
400				
102.	DE Sleeve Bearing Outside OD P			
	Measure 1	Measure 2	Measure 3	
	End Bell Repair Sign-off			
104.	ODE Sleeve Bearing Inside ID Po	st Repair		
	Measure 1	Measure 2	Measure 3	
105.	ODE Sleeve Bearing Outside ID F	Post Repair		
	Measure 1	Measure 2	Measure 3	
106.	ODE Sleeve Bearing Inside OD P	ost Repair		
	Measure 1	Measure 2	Measure 3	
107.	ODE Sleeve Bearing Outside OD	Post Repair		
	Measure 1	Measure 2	Measure 3	
Acces	bly			
Assem		a Drier to Assembly		
	QC Check All Parts for Cleanlines	-		
	Photograph All Major Components	s prior to assembly		
	Final Insulation Resistance Test			
	Assembled Shaft Endplay			
	Assembled Shaft Runout			
113.	Test Run Voltage			
	Volts	Volts	Volts	

114.	Test Run Amperage			
	Amps	Amps	Amps	
115.	Drive End Vibration Readings -	Inches Per Second		
	Horizontal	Vertical	Axial	
116.	Opposite Drive End Vibration Re	eadings - Inches Per Second		
	Horizontal	Vertical	Axial	
117.	Ambient Temperature - Fahrenh	eit		
	Drive End Bearing Temps - Fah			
	5 Minutes	10 Minutes	15 Minutes	
119.	Drive End Bearing Temps - Fah	renheit 20-30 Minutes		
	20 Minutes	25 Minutes	30 Minutes	
120.	Drive End Bearing Temps - Fah	renheit 35-45 Minutes		
	35 Minutes	40 Minutes	45 Minutes	
121.	Drive End Bearing Temps - Fah	renheit 50-60 Minutes		
	50 Minutes	55 Minutes	60 Minutes	
122.	Opposite Drive End Bearing Ter	nps - Fahrenheit		
	5 Minutes	10 Minutes	15 Minutes	
123.	Opposite Drive End Bearing Ter	nps - Fahrenheit 20-30 Minutes		
	20 Minutes	25 Minutes	30 Minutes	
124.	Opposite Drive End Bearing Ter	nps - Fahrenheit 35-45 Minutes		
	35 Minutes	40 Minutes	45 Minutes	
125.	Opposite Drive End Bearing Ter	nps - Fahrenheit 50-60 Minutes		
	50 Minutes	55 Minutes	60 Minutes	
126.	Stator Temperatures- Fahrenhe	it		
	5 Minutes	10 Minutes	15 Minutes	
127.	Stator Temperatures- Fahrenhe	it 20-30 Minutes		
	20 Minutes	25 Minutes	30 Minutes	
128.	Stator Temperatures- Fahrenhe	it 35-45 Minutes		
	35 Minutes	40 Minutes	45 Minutes	
129.	Stator Temperatures- Fahrenhe	it 50-60 Minutes		
	50 Minutes	55 Minutes	60 Minutes	

- 130. Document Final Condition with Pictures after paint
- 131. Final Pics and QC Review