



## AC Recondition As Found

Georges Inc  
1810 S. St. Louis Street  
Batesville, AR 72501

FolderID: 100593  
FormID: 15247708

### AC Recondition - Rev. 2

Location: Shop  
Serial Number: NO NP  
Description: 75HP NO NAMEPLATE

Hi-Speed Job Number:	100593
Manufacturer:	Baldor
Spec/ID #:	A36 7267 076
HP/kW:	75 (HP)
Frame:	365T
Voltage:	230 / 460
Current:	172/86 (Amps)
Phase:	Three
Hz:	60 (Hz)
Enclosure:	TEFC
J-box Included:	Complete
Coupling/Sheave:	Coupling
Bearing RTDs:	No
Stator RTDs:	No
Repair Stage:	Teardown Inspection
Heaters:	No
Winding Type :	Random Wound
Bearing Type:	Rolling Element

Priorities Found: ● 1 - High ● 7 - Good

### Overall Condition



1. Report Date
2. Nameplate Picture

P37



3. Photos of all six sides of the machine.

P44

Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.









4. Describe the Overall Condition of the Equipment as Received

P56

*Filthy: Covered with sticky grease like substance.*



5. Distance from the end of the shaft to the Coupling/Sheave

**0.875 inches**

P77



### 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%	

Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.



12. Lead Length

12 Inches

13. Stator Temperature Detector Rating and Function

Quantity

Rating

Quantity Passed

14. Bearing Temperature Detector Rating and Function

Quantity

Rating

Quantity Passed

15. Frame Condition

pass

P99








16. Fan Condition

(P) Pass

P103



17. Heater Quantity, Ratings		
Quantity	Volts/Watts	Pass/Fail
18. Broken or Missing Components		
<b>Initial Electrical Inspection</b>		
19. Insulation Resistance/Megger		
20. Winding Resistance		
1-2	1-3	2-3
21. Perform Surge Test		
(F) Fail		P57
		
22. Number of Stator Slots		
23. Stator Condition		rewind
<b>Mechanical Inspection</b>		
24. Drive End Bearing Number-		6313 2Z/C3
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?		none
30. Drive End Bearing Condition		replace
31. Opposite Drive End Bearing Number-		6313 2Z/C3
32. Opposite Drive End Bearing Qty.		1

Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.



34. Opposite Drive End Lubrication Type

(Grease) Grease Lubricated

35. Opposite Drive End Bearing Insulation or Grounding Device?

none

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

P108



37. Opposite Drive End Bearing Condition

replace

38. Drive End Seal

39. Opposite Drive End Seal

40. DE Sleeve Bearing Inside Diameter

0 degrees

120 degrees

240 degrees

41. DE Sleeve Bearing Outside Diameter

0 degrees

120 degrees

240 degrees

42. DE Sleeve Bearing Housing Inside Diameter

0 degrees

120 degrees

240 degrees

43. DE Sleeve Bearing to Housing Clearance

0 degrees

120 degrees


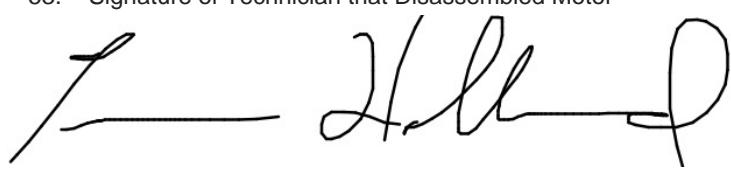
240 degrees

44. ODE Sleeve Bearing Inside Diameter

0 degrees

120 degrees

240 degrees

45. ODE Sleeve Bearing Outside Diameter	0 degrees	120 degrees	240 degrees
46. ODE Sleeve Bearing Housing Inside Diameter	0 degrees	120 degrees	240 degrees
47. ODE Sleeve Bearing to Housing Clearance	0 degrees	120 degrees	240 degrees
<b>Rotor Inspection</b>			
48. Rotor Type/Material	(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast		P3
			
49. Growler Test	(Pass) Pass		
50. Number of Rotor Bars			
51. Rotor Condition	good		
52. List the Parts needed for the Repair Below			
53. Signature of Technician that Disassembled Motor	Terrence Holland		
			
<b>Mechanical Fits- Rotor</b>			
54. Shaft Runout	0.001 inches		
55. Rotor Runout			
Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing	
56. Coupling Fit Closest to Bearing Housing			
0 Degrees	90 Degrees	120 Degrees	
57. Coupling Fit Closest to the end of the Shaft			
0 Degrees	60 Degrees	120 Degrees	



58.	Drive End Bearing Shaft Fit		
	0 Degrees	60 Degrees	120 Degrees
	2.559	2.559	2.559
59.	Drive End Bearing Shaft Fit Condition		(P) Pass
60.	Opposite Drive End Bearing Shaft Fit		
	0 Degrees	60 Degrees	120 Degrees
	2.559	2.5592	2.5591
61.	Opposite Drive End Bearing Shaft Fit Condition		(P) Pass
62.	Shaft Air Seal Fits		
	Drive End Air Seal	Opposite Drive End Air Seal	
<b>Mechanical Fits- Bearing Housings</b>			
63.	Drive End - Endbell Bearing Fit		
	0 Degrees	60 Degrees	120 Degrees
	5.5128	5.5128	5.5129
64.	Drive End - Endbell Bearing Fit Condition		(P) Pass
65.	Opposite Drive End - Endbell Bearing Fit		
	0 Degrees	60 Degrees	120 Degrees
	5.5125	5.5124	5.5125
66.	Opposite Drive End - Endbell Bearing Fit Condition		(P) Pass
67.	Bearing Cap Condition		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap	
	pass	pass	
<div style="display: flex; justify-content: space-around;">   </div>			
68.	End Bell Air Seal Fits		
	Drive End Air Seal	Opposite Drive End Air Seal	
69.	List Machine Work Needed Below		
	None		
70.	Technician		Terrence.Holland
<div style="display: flex; justify-content: space-around;">   </div>			

### Dynamic Balance Report

Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.

71.	Rotor Weight and Balance Grade		
	Rotor Weight	Balance Grade	
72.	Initial Balance Readings		
	Drive End	Opposite Drive End	
73.	Final Balance Readings		
	Drive End	Opposite Drive End	
74.	Technician		
<b>Rewind</b>			
75.	Core Test Results - Watts loss per Pound		
	Pre-Burnout	Post Burnout	
76.	Core Hot Spot Test		
	Pre-Burnout	Post-Burnout	
77.	Post Rewind Electrical Test- Insulation Resistance		
78.	Post Rewind Polarization Index		
79.	Post Rewind Winding Resistance		
	1-2	1-3	2-3
80.	Post Rewind Surge Test		
81.	Post Rewind Hi-Pot		
82.	Technician		
<b>Root Cause of Failure</b>			
83.	Failure locations		
84.	Root cause of failure		
<b>Mechanical Fits- Rotor - Post Repair</b>			
85.	Shaft Runout Post Repair		
86.	Rotor Runout Post Repair		
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing
87.	Coupling Fit Closest to Bearing Housing Post Repair		
	0 Degrees	90 Degrees	120 Degrees
88.	Coupling Fit Closest to the end of the Shaft Post Repair		
	0 Degrees	60 Degrees	120 Degrees
89.	Drive End Bearing Shaft Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
90.	Opposite Drive End Bearing Shaft Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees

91.	Shaft Air Seal Fits Post Repair		
	Drive End Air Seal	Opposite Drive End Air Seal	
92.	Shaft Repair Sign-off		
Mechanical Fits- Bearing Housings - Post Repair			
93.	Drive End - Endbell Bearing Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
94.	Opposite Drive End - Endbell Bearing Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
95.	Bearing Cap Condition Post Repair		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap	
96.	End Bell Air Seal Fits Post Repair		
	Drive End Air Seal	Opposite Drive End Air Seal	
97.	DE Sleeve Bearing Inside ID Post Repair		
	Measure 1	Measure 2	Measure 3
98.	DE Sleeve Bearing Outside ID Post Repair		
	Measure 1	Measure 2	Measure 3
99.	DE Sleeve Bearing Inside OD Post Repair		
	Measure 1	Measure 2	Measure 3
100.	DE Sleeve Bearing Outside OD Post Repair		
	Measure 1	Measure 2	Measure 3
101.	End Bell Repair Sign-off		
102.	ODE Sleeve Bearing Inside ID Post Repair		
	Measure 1	Measure 2	Measure 3
103.	ODE Sleeve Bearing Outside ID Post Repair		
	Measure 1	Measure 2	Measure 3
104.	ODE Sleeve Bearing Inside OD Post Repair		
	Measure 1	Measure 2	Measure 3
105.	ODE Sleeve Bearing Outside OD Post Repair		
	Measure 1	Measure 2	Measure 3
Assembly			
106.	Photograph All Major Components prior to assembly		
107.	Final Insulation Resistance Test		
108.	Assembled Shaft Endplay		
109.	Assembled Shaft Runout		

Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.

110. Test Run Voltage			
Volts	Volts	Volts	
111. Test Run Amperage			
Amps	Amps	Amps	
112. Drive End Vibration Readings - Inches Per Second			
Horizontal	Vertical	Axial	
113. Opposite Drive End Vibration Readings - Inches Per Second			
Horizontal	Vertical	Axial	
114. Ambient Temperature - Fahrenheit			
115. Drive End Bearing Temps - Fahrenheit			
5 Minutes	10 Minutes	15 Minutes	
116. Drive End Bearing Temps - Fahrenheit 20-30 Minutes			
20 Minutes	25 Minutes	30 Minutes	
117. Drive End Bearing Temps - Fahrenheit 35-45 Minutes			
35 Minutes	40 Minutes	45 Minutes	
118. Drive End Bearing Temps - Fahrenheit 50-60 Minutes			
50 Minutes	55 Minutes	60 Minutes	
119. Opposite Drive End Bearing Temps - Fahrenheit			
5 Minutes	10 Minutes	15 Minutes	
120. Opposite Drive End Bearing Temps - Fahrenheit 20-30 Minutes			
20 Minutes	25 Minutes	30 Minutes	
121. Opposite Drive End Bearing Temps - Fahrenheit 35-45 Minutes			
35 Minutes	40 Minutes	45 Minutes	
122. Opposite Drive End Bearing Temps - Fahrenheit 50-60 Minutes			
50 Minutes	55 Minutes	60 Minutes	
123. Stator Temperatures- Fahrenheit			
5 Minutes	10 Minutes	15 Minutes	
124. Stator Temperatures- Fahrenheit 20-30 Minutes			
20 Minutes	25 Minutes	30 Minutes	
125. Stator Temperatures- Fahrenheit 35-45 Minutes			
35 Minutes	40 Minutes	45 Minutes	

Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.



126. Stator Temperatures- Fahrenheit 50-60 Minutes			
50 Minutes	55 Minutes	60 Minutes	
127. Final Test Run Sign-off			
128. Document Final Condition with Pictures after paint			
129. Final Pics and QC Review			