



## AC Recondition As Found

Weaver-Bailey Contractors

1601 Mayor Lane  
Conway, AR 72032

FolderID: 100695  
FormID: 15521504

### AC Recondition - Rev. 2

Location: MOTOR SHOP LR  
Serial Number: AUH708G705 007  
Description: 75HP TECO 1800RPM 365T

Hi-Speed Job Number:	100695
Manufacturer:	TECO Westinghouse
Product Number:	N0754
Serial Number:	AUH708G705 007
HP/kW:	75 (HP)
RPM:	1770 (RPM)
Frame:	365T
Voltage:	230 / 460
Current:	171/85.5
Phase:	Three
Hz:	60 (Hz)
Service Factor:	1.15
Enclosure:	TEFC
J-box Included:	Complete
Coupling/Sheave:	None
Bearing RTDs:	No
Stator RTDs:	No
Repair Stage:	Teardown Inspection
Heaters:	No
Winding Type :	Random Wound
Bearing Type:	Rolling Element

Priorities Found: ● 4 - High ● 2 - Good

### Overall Condition



1. Report Date
2. Nameplate Picture

P20



3. Photos of all six sides of the machine.

P27

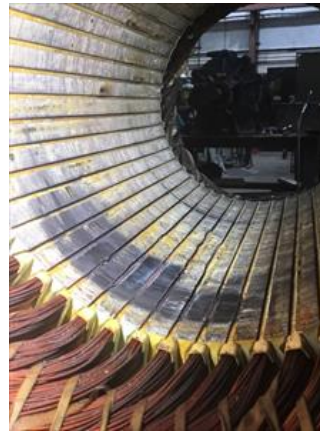
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4. Describe the Overall Condition of the Equipment as Received

#### 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	inches
9. Air Gap Variation <10%	
10. Lead Condition	
11. Lead Length	
12. Frame Condition	pass
13. Fan Condition	(P) Pass
14. Broken or Missing Components	

#### Initial Electrical Inspection

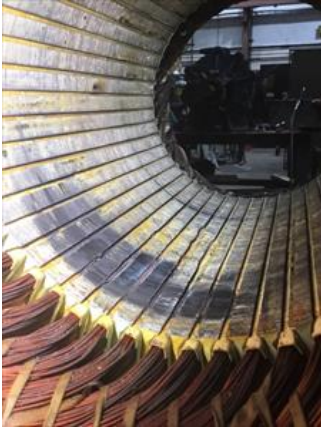


15. Insulation Resistance/Megger
16. Winding Resistance

1-2

1-3

2-3



18. Number of Stator Slots

19. Stator Condition

rewind

**Mechanical Inspection**

20. Drive End Bearing Number-

6313

P8



21. Drive End Bearing Qty.

1

22. Drive End Bearing Type

(Ball) Ball Bearing

23. Drive End Lubrication Type

(Grease) Grease Lubricated

24. Drive End Bearing Insulation or Grounding Device?

none

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

none

26. Drive End Bearing Condition

replace



28. Opposite Drive End Bearing Qty.	1
29. Opposite Drive End Bearing Type	(Ball) Ball Bearing
30. Opposite Drive End Lubrication Type	(Grease) Grease Lubricated
31. Opposite Drive End Bearing Insulation or Grounding Device?	none
32. Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	none
33. Opposite Drive End Bearing Condition	replace
34. Drive End Seal	
35. Opposite Drive End Seal	

**Rotor Inspection**

36. Rotor Type/Material	(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast
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Blow hole in rotor.



38. Number of Rotor Bars

39. Rotor Condition

**recommend replacing.**

40. List the Parts needed for the Repair Below

*New rotor,*

41. Signature of Technician that Disassembled Motor

**Mechanical Fits- Rotor**

42. Shaft Runout

**0.001 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

**2.5597****2.5596****2.5595**

47. Drive End Bearing Shaft Fit Condition



48.	Opposite Drive End Bearing Shaft Fit			
	0 Degrees	60 Degrees	120 Degrees	
49.	Opposite Drive End Bearing Shaft Fit Condition			
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	
	 <i>Pitted</i>			
	52.	Drive End - Endbell Bearing Fit Condition	<b>(F) Fail</b>	P10
	 <i>Pitted</i>			
				
53.	Opposite Drive End - Endbell Bearing Fit			
	0 Degrees	60 Degrees	120 Degrees	
	 <i>Pitted</i>			
	54.	Opposite Drive End - Endbell Bearing Fit Condition	<b>(F) Fail</b>	P22
	 <i>Groove worn in.</i>			
				
55.	Bearing Cap Condition			
	Drive End Bearing Cap	Opposite Drive End Bearing Cap		
	<b>pass</b>	<b>pass</b>		

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56.	End Bell Air Seal Fits	
	Drive End Air Seal	Opposite Drive End Air Seal
57.	List Machine Work Needed Below <i>Re-sleeve both housing fits.</i>	
58.	Technician	Terrence Holland
		
<b>Root Cause of Failure</b>		
59.	Failure locations <i>Both housing fits bad. Rotor has multiple blow holes.</i>	
60.	Root cause of failure	