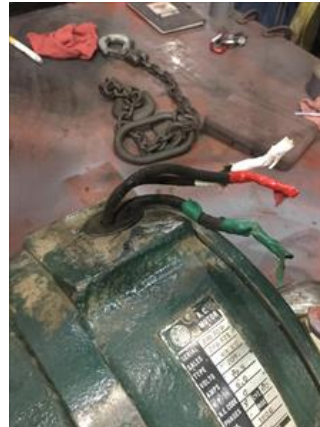


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Repair Stage:	Final
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A.C. MOTOR	
SERIAL	255302
SALES	256371
TYPE	40 Y2
VOLTS	200
AMPS	15.5
H.P.	2.0
N.E. CODE	2
PHASES	3 CYC 60
HRS.	1000
R.P.M.	1800
LBS. FT.	1800
MAY 1955	
2084 A15	
500 AMT	
2075 T50	



4. Describe the Overall Condition of the Equipment as Received

Received Stator and d.e housing only.

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

Initial Mechanical/Electrical

6. Does Shaft Turn Freely?

7. Does Shaft Have Visible Damage?

8. Assembled Shaft Runout

9. Assembled Shaft End Play

10. Air Gap Variation <10%

11. Lead Condition

(P) Pass

12. Lead Length

6 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



16. Fan Condition


17. Heater Quantity, Ratings

Quantity

Volts/Watts

Pass/Fail

18. Broken or Missing Components			
Initial Electrical Inspection			
19. Insulation Resistance/Megger			
20. Winding Resistance			
1-2	1-3	2-3	
21. Perform Surge Test (P) Pass P58			
			
22. Number of Stator Slots			
23. Stator Condition			
24. Stator Thermistors/Ohms			
25. Stator Overloads/Ohms			
Mechanical Inspection			
26. Drive End Bearing Brand			
27. Drive End Bearing Number-			
28. Drive End Bearing Qty.			
29. Drive End Bearing Type			
30. Drive End Lubrication Type			
31. Drive End Bearing Insulation or Grounding Device?			
32. Drive End Wavy Washer/Snap-Ring Other Retention Device?			
33. Drive End Bearing Condition			
34. Opposite Drive End Bearing Brand			
35. Opposite Drive End Bearing Number-			
36. Opposite Drive End Bearing Qty.			
37. Opposite Drive End Bearing Type			
38. Opposite Drive End Lubrication Type			
39. Opposite Drive End Bearing Insulation or Grounding Device?			
40. Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?			
41. Opposite Drive End Bearing Condition			
42. Drive End Seal			
43. Opposite Drive End Seal			
44. DE Sleeve Bearing Inside Diameter			
0 degrees	120 degrees	240 degrees	

45.	DE Sleeve Bearing Outside Diameter		
	0 degrees	120 degrees	240 degrees
46.	DE Sleeve Bearing Housing Inside Diameter		
	0 degrees	120 degrees	240 degrees
47.	DE Sleeve Bearing to Housing Clearance		
	0 degrees	120 degrees	240 degrees
48.	ODE Sleeve Bearing Inside Diameter		
	0 degrees	120 degrees	240 degrees
49.	ODE Sleeve Bearing Outside Diameter		
	0 degrees	120 degrees	240 degrees
50.	ODE Sleeve Bearing Housing Inside Diameter		
	0 degrees	120 degrees	240 degrees
51.	ODE Sleeve Bearing to Housing Clearance		
	0 degrees	120 degrees	240 degrees
Rotor Inspection			
52.	Rotor Type/Material		
53.	Growler Test		
54.	Number of Rotor Bars		
55.	Rotor Condition		
56.	List the Parts needed for the Repair Below <i>Resleeve d.e housing fit.</i>		
57.	Signature of Technician that Disassembled Motor		Terrence. Holland
			
Mechanical Fits- Rotor			
58.	Shaft Runout		
59.	Rotor Runout		
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing
60.	Coupling Fit Closest to Bearing Housing		
	0 Degrees	90 Degrees	120 Degrees
61.	Coupling Fit Closest to the end of the Shaft		
	0 Degrees	60 Degrees	120 Degrees

62.	Drive End Bearing Shaft Fit		
	0 Degrees	60 Degrees	120 Degrees
63.	Drive End Bearing Shaft Fit Condition		
64.	Opposite Drive End Bearing Shaft Fit		
	0 Degrees	60 Degrees	120 Degrees
65.	Opposite Drive End Bearing Shaft Fit Condition		
66.	Shaft Air Seal Fits		
	Drive End Air Seal	Opposite Drive End Air Seal	
Mechanical Fits- Bearing Housings			
67.	Drive End - Endbell Bearing Fit		
	0 Degrees	60 Degrees	120 Degrees
68.	Drive End - Endbell Bearing Fit Condition		(F) Fail
	Excessive wear, lip worn in.		
69.	Opposite Drive End - Endbell Bearing Fit		
	0 Degrees	60 Degrees	120 Degrees
70.	Opposite Drive End - Endbell Bearing Fit Condition		
71.	Bearing Cap Condition		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap	
72.	End Bell Air Seal Fits		
	Drive End Air Seal	Opposite Drive End Air Seal	
73.	List Machine Work Needed Below		
	Resleeve d.e housing fit		
74.	Technician		Terrence Holland
			
Dynamic Balance Report			
75.	Rotor Weight and Balance Grade		
	Rotor Weight	Balance Grade	
76.	Initial Balance Readings		
	Drive End	Opposite Drive End	
77.	Final Balance Readings		
	Drive End	Opposite Drive End	
78.	Technician		
Rewind			

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79.	Core Test Results - Watts loss per Pound		
	Pre-Burnout	Post Burnout	
80.	Core Hot Spot Test		
	Pre-Burnout	Post-Burnout	
81.	Post Rewind Electrical Test- Insulation Resistance		
82.	Post Rewind Polarization Index		
83.	Post Rewind Winding Resistance		
	1-2	1-3	2-3
84.	Post Rewind Surge Test		
85.	Post Rewind Hi-Pot		
86.	Technician		
Root Cause of Failure			
87.	Failure locations		
88.	Root cause of failure		
Mechanical Fits- Rotor - Post Repair			
89.	Shaft Runout Post Repair		
90.	Rotor Runout Post Repair		
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing
91.	Coupling Fit Closest to Bearing Housing Post Repair		
	0 Degrees	90 Degrees	120 Degrees
92.	Coupling Fit Closest to the end of the Shaft Post Repair		
	0 Degrees	60 Degrees	120 Degrees
93.	Drive End Bearing Shaft Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
94.	Opposite Drive End Bearing Shaft Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
95.	Shaft Air Seal Fits Post Repair		
	Drive End Air Seal	Opposite Drive End Air Seal	
96.	Shaft Repair Sign-off		
Mechanical Fits- Bearing Housings - Post Repair			
97.	Drive End - Endbell Bearing Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
98.	Opposite Drive End - Endbell Bearing Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees

99. Bearing Cap Condition Post Repair			
Drive End Bearing Cap	Opposite Drive End Bearing Cap		
100. End Bell Air Seal Fits Post Repair			
Drive End Air Seal	Opposite Drive End Air Seal		
101. DE Sleeve Bearing Inside ID Post Repair			
Measure 1	Measure 2	Measure 3	
102. DE Sleeve Bearing Outside ID Post Repair			
Measure 1	Measure 2	Measure 3	
103. DE Sleeve Bearing Inside OD Post Repair			
Measure 1	Measure 2	Measure 3	
104. DE Sleeve Bearing Outside OD Post Repair			
Measure 1	Measure 2	Measure 3	
105. End Bell Repair Sign-off			
106. ODE Sleeve Bearing Inside ID Post Repair			
Measure 1	Measure 2	Measure 3	
107. ODE Sleeve Bearing Outside ID Post Repair			
Measure 1	Measure 2	Measure 3	
108. ODE Sleeve Bearing Inside OD Post Repair			
Measure 1	Measure 2	Measure 3	
109. ODE Sleeve Bearing Outside OD Post Repair			
Measure 1	Measure 2	Measure 3	
Assembly			
110. QC Check All Parts for Cleanliness Prior to Assembly			
111. Photograph All Major Components prior to assembly			
112. Final Insulation Resistance Test			
113. Assembled Shaft Endplay			
114. Assembled Shaft Runout			
115. Test Run Voltage			
Volts	Volts	Volts	
116. Test Run Amperage			
Amps	Amps	Amps	
117. Drive End Vibration Readings - Inches Per Second			
Horizontal	Vertical	Axial	

118. Opposite Drive End Vibration Readings - Inches Per Second			
	Horizontal	Vertical	Axial
119. Ambient Temperature - Fahrenheit			
120. Drive End Bearing Temps - Fahrenheit			
	5 Minutes	10 Minutes	15 Minutes
121. Drive End Bearing Temps - Fahrenheit 20-30 Minutes			
	20 Minutes	25 Minutes	30 Minutes
122. Drive End Bearing Temps - Fahrenheit 35-45 Minutes			
	35 Minutes	40 Minutes	45 Minutes
123. Drive End Bearing Temps - Fahrenheit 50-60 Minutes			
	50 Minutes	55 Minutes	60 Minutes
124. Opposite Drive End Bearing Temps - Fahrenheit			
	5 Minutes	10 Minutes	15 Minutes
125. Opposite Drive End Bearing Temps - Fahrenheit 20-30 Minutes			
	20 Minutes	25 Minutes	30 Minutes
126. Opposite Drive End Bearing Temps - Fahrenheit 35-45 Minutes			
	35 Minutes	40 Minutes	45 Minutes
127. Opposite Drive End Bearing Temps - Fahrenheit 50-60 Minutes			
	50 Minutes	55 Minutes	60 Minutes
128. Stator Temperatures- Fahrenheit			
	5 Minutes	10 Minutes	15 Minutes
129. Stator Temperatures- Fahrenheit 20-30 Minutes			
	20 Minutes	25 Minutes	30 Minutes
130. Stator Temperatures- Fahrenheit 35-45 Minutes			
	35 Minutes	40 Minutes	45 Minutes
131. Stator Temperatures- Fahrenheit 50-60 Minutes			
	50 Minutes	55 Minutes	60 Minutes
132. Document Final Condition with Pictures after paint			
133. Final Pics and QC Review			