



AC Recondition Repair Report

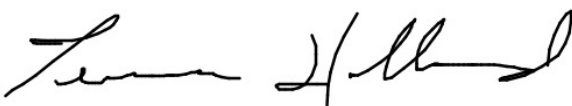
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Reynolds Metals company
1333 highway 270
Malvern, AR 72104

Priorities Found: 1 - High 14 - Good

General		
1. Job Number	97686	
2. Report Date		
3. Customer	REYNOLDS	
Name Plate Information		
4. Manufacturer	US ELECTRIC	P5
5. Model		
6. Serial Number		
7. Horsepower	25	
8. KW		
9. Volts		
208-230/460		
10. Amps		
65.00-57.00/28.40		
11. RPM	3530	
12. Frame	284T	
13. Enclosure	TEFC	
14. Cycles	60	
15. Phase	3	
16. Service Factor	1.25	
17. Motor Mount Position		
Initial Inspection		
18. Number of Leads		
19. Lead Length	15 Inches	
20. Lead Size		
21. Lead Condition	(P) Pass	
22. Lead Markings	1-12	
23. Lug Size, Condition, and Type		
24. Winding RTD's		
25. Winding Rtd's Condition		
26. Shaft Run Out	0.001	
27. Does Shaft Turn Freely	yes	
28. Does Shaft Have Visible Damage	no	
29. Bearing Rtd's		
30. Bearing Rtd's Condition		
31. Contamination		
Yes		
32. Frame Condition	(P) Pass	

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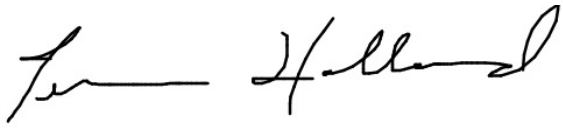
33.	Fan Condition	(P) Pass	
34.	Broken or missing components		
Initial Electric Test			
35.	Resistance to Ground	Mohm	
36.	Winding Resistance 1-2		
37.	Winding Resistance 2-3		
38.	Winding Resistance 1-3		
39.	Resistive Imbalance		
40.	Hi-Pot		
41.	Surge Test	(P) Pass	P58
42.	Stator Condition	good	
43.	Failure Location		
Initial Rotor Inspection			
44.	Rotor Type	squirrel cage	
45.	Air Gap <10% Variation		
46.	Number of Rotor Bars		
47.	Number of Broken Rotor Bars	0	
48.	Growler Test	(P) Pass	
49.	Rotor Condition	(P) Pass	
Mechanical Inspection			
50.	Bearing Manufacture	C&U	
51.	Bearing DE Size	6310Z	P15
52.	Bearing DE Type	regular ball bearing	
53.	DE Bearing Qty.	1	
54.	Bearing ODE Size	6207	P43
55.	Bearing ODE Type	regular ball bearing	
56.	ODE Bearing Qty.	1	
57.	Insulated Bearing	no	
58.	Lubrication Type	grease	
59.	Grease Condition	(F) Fail	P74
60.	Bearing Retainers	(NA) Not Applicable	
61.	Shaft Grounding Device	(NA) Not Applicable	
62.	DE Seal	(NA) Not Applicable	
63.	DE Seal Type/Size		
64.	ODE Seal		
65.	ODE Seal Type/Size		
Root Cause of Failure			
66.	Component Failure		
67.	Cause of Failure		P14
68.	Comments		
69.	Service Technician	Terrence. Holland	
			

Machine Fit Inspection Report

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70.	Shaft Run Out	
71.	Initial Shaft Run Out	
72.	Final Shaft Run Out	
73.	DE Bearing Shaft Fit	(P) Pass
74.	DE Initial Shaft Bearing Fit Size 1	1.9686 "
75.	DE Initial Shaft Bearing Fit Size 2	1.9686 "
76.	DE Initial Shaft Bearing Fit Size 3	1.9687 "
77.	DE Finial Shaft Bearing Fit Size 1	
78.	DE Finial Shaft Bearing Fit Size 2	
79.	DE Finial Shaft Bearing Fit Size 3	
80.	ODE Bearing Shaft Fit	(P) Pass
81.	ODE Initial Shaft Bearing Fit Size 1	1.3781 "
82.	ODE Initial Shaft Bearing Fit Size 2	1.3781 "
83.	ODE Initial Shaft Bearing Fit Size 3	1.3781 "
84.	ODE Finial Shaft Bearing Fit Size 1	
85.	ODE Finial Shaft Bearing Fit Size 2	
86.	ODE Finial Shaft Bearing Fit Size 3	
87.	DE Air Seal Shaft Fit	
88.	DE Initial Air Seal Shaft Size	
89.	DE Final Air Seal Shaft Size	
90.	ODE Air Seal Shaft Fit	
91.	ODE Initial Air Seal Shaft Size	
92.	ODE Final Air Seal Shaft Size	
93.	DE Endbell Fit	(P) Pass
94.	DE Initial Endbell Fit Size 1	4.3307 "
95.	DE Initial Endbell Fit Size 2	4.3308 "
96.	DE Initial Endbell Fit Size 3	4.3307 "
97.	DE Final Endbell Fit Size 1	
98.	DE Finial Endbell Fit Size 2	
99.	DE Final Endbell Fit Size 3	
100.	DE Endbell Fit Insulated	
101.	DE Endbell Air Seal Fit	
102.	Initial Endbell Air Seal Fit Size	
103.	Finial Endbell Air Seal Fit Size	
104.	ODE Endbell Fit	(P) Pass
105.	ODE Initial Endbell Fit Size 1	2.8352 "
106.	ODE Initial Endbell Fit Size 2	2.8355 "
107.	ODE Initial Endbell Fit Size 3	2.8352 "
108.	ODE Final Endbell Fit Size 1	
109.	ODE Final Endbell Fit Size 2	
110.	ODE Final Endbell Fit Size 3	
111.	ODE Endbell Fit Insulated	
112.	ODE Endbell Air Seal Fit	
113.	ODE Initial Endbell Seal Fit Size	
114.	ODE Finial Endbell Seal Fit Size	
115.	Foot Flatness	(P) Pass
116.	Foot Condition	(P) Pass
117.	Flange Condition	(NA) Not Applicable

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Balancing Report

- 119. Balance Type
- 120. Balance Operating Speed
- 121. Start Left End
- 122. Start Right End
- 123. Balancing Specification
- 124. Finish Left End
- 125. Finish Right End
- 126. Service Technician

Assembly and Final Test

- | | |
|--|-----------------|
| 127. Meggar Testing Reading | Mohm |
| ● 128. Surge Test | (P) Pass |
| 129. Hi-Pot | |
| 130. Winding Resistance 1-2 | |
| 131. Winding Resistance 2-3 | |
| 132. Winding Resistance 1-3 | |
| 133. Test Run Voltage Phase A | |
| 134. Test Run Amps A | |
| 135. Test Run Voltage Phase B | |
| 136. Test Run Amps B | |
| 137. Test Run Voltage Phase C | |
| 138. Test Run Amps C | |
| 139. DE Horizontal Vibration Reading | |
| 140. DE Vertical Vibration Reading | |
| 141. DE Axial Vibration Reading | |
| 142. ODE Horizontal Vibration Reading | |
| 143. ODE Vertical Vibration Reading | |
| 144. ODE Axial Vibration Reading | |
| 145. Ambient Temp at start of Test Run | |
| 146. Temp at 5 minutes | |
| 147. Temp at 10 minutes | |
| 148. Temp at 15 minutes | |
| 149. Temp at 20 minutes | |
| 150. Temp at 25 minutes | |
| 151. Temp at 30 minutes | |
| 152. Temp at 35 minutes | |
| 153. Temp at 40 minutes | |
| 154. Temp at 45 minutes | |
| 155. Temp at 50 minutes | |
| 156. Temp at 55 minutes | |
| 157. Temp at 60 minutes | |
| ● 158. Motor Paint | (P) Pass |

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Terrence Holland



P5.1:



P5.2



P5.3



P5.4



P5.5



P5.6



P5.7



P5.8



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P5.14



P5.15



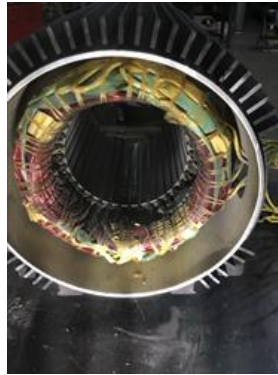
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P5.18



P5.19



P14.20



P14.21



P14.22



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