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— EVERY DAY SINCE 1946 —

Motor Shop Repairs

**Job Number 99006**

Prepared for Reynolds Metals company

1333 highway 270  
Malvern AR 72104

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AC Recondition Repair Report

1.0

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Printed on 11/30/2021

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Hi-Speed Industrial Service  
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901-873-5300

## AC Recondition Repair Report

FolderID: 99006  
FormID: 12061975

Reynolds Metals company  
1333 highway 270  
Malvern, AR 72104

Priorities Found: ● 13 - Good

### General

1. Job Number	99006
2. Report Date	11/17/2021
3. Customer	Reynolds Consumer Products

### Name Plate Information

4. Manufacturer



5. Model	F80C4
6. Serial Number	
7. Horsepower	0.9
8. KW	
9. Volts	440
10. Amps	1.3
11. RPM	1800
12. Frame	
13. Enclosure	TEFC
14. Cycles	60
15. Phase	3
16. Service Factor	
17. Motor Mount Position	

### Initial Inspection

18. Number of Leads	3
19. Lead Length	6 Inches
20. Lead Size	18

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21. Lead Condition	(P) Pass
22. Lead Markings	no
23. Lug Size, Condition, and Type	
24. Winding RTD's	(NA) Not Applicable
25. Winding Rtd's Condition	
26. Shaft Run Out	
27. Does Shaft Turn Freely	yes
28. Does Shaft Have Visible Damage	no
29. Bearing Rtd's	(NA) Not Applicable
30. Bearing Rtd's Condition	(NA) Not Applicable
31. Contamination	
32. Frame Condition	(P) Pass
33. Fan Condition	(P) Pass



34. Broken or missing components	
<b>Initial Electric Test</b>	
35. Resistance to Ground	0 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	(NA) Not Applicable

42. Stator Condition

rewind

Overload



43. Failure Location

### Initial Rotor Inspection

44. Rotor Type

cast aluminum



45. Air Gap <10% Variation

46. Number of Rotor Bars

47. Number of Broken Rotor Bars

48. Growler Test

● 49. Rotor Condition

(P) Pass

### Mechanical Inspection

50. Bearing Manufacture

51. Bearing DE Size

6204 2RS

52. Bearing DE Type

sealed ball bearing



53. DE Bearing Qty.

1

54. Bearing ODE Size

6204 2RS

55. Bearing ODE Type

sealed ball bearing



56. ODE Bearing Qty.

1

57. Insulated Bearing

no

58. Lubrication Type

grease

59. Grease Condition

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

(NA) Not Applicable

65. ODE Seal Type/Size

#### Root Cause of Failure

66. Component Failure

67. Cause of Failure

68. Comments

69. Service Technician

#### Machine Fit Inspection Report

70. Shaft Run Out

71. Initial Shaft Run Out

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72. Final Shaft Run Out	
73. DE Bearing Shaft Fit	(P) Pass



74. DE Initial Shaft Bearing Fit Size 1	0.7879 "
75. DE Initial Shaft Bearing Fit Size 2	0.7879 "
76. DE Initial Shaft Bearing Fit Size 3	0.7879 "
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	0.7877999999999999 "
82. ODE Initial Shaft Bearing Fit Size 2	0.7877999999999999 "
83. ODE Initial Shaft Bearing Fit Size 3	0.7877999999999999 "
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	(NA) Not Applicable

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94. DE Initial Endbell Fit Size 1	1.852 "
95. DE Initial Endbell Fit Size 2	1.852 "
96. DE Initial Endbell Fit Size 3	1.852 "
97. DE Final Endbell Fit Size 1	
98. DE Final Endbell Fit Size 2	
99. DE Final Endbell Fit Size 3	
100. DE Endbell Fit Insulated	(NA) Not Applicable
101. DE Endbell Air Seal Fit	
102. Initial Endbell Air Seal Fit Size	
103. Final Endbell Air Seal Fit Size	
104. ODE Endbell Fit	(NA) Not Applicable
105. ODE Initial Endbell Fit Size 1	1.8518 "
106. ODE Initial Endbell Fit Size 2	1.8518 "
107. ODE Initial Endbell Fit Size 3	1.8518 "
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	(NA) Not Applicable
112. ODE Endbell Air Seal Fit	
113. ODE Initial Endbell Seal Fit Size	
114. ODE Final Endbell Seal Fit Size	
115. Foot Flatness	(NA) Not Applicable
116. Foot Condition	(NA) Not Applicable





118. Service Technician

RW

**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
- 128. Surge Test
- 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

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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
159. Service Technician



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8. **WARRANTIES.** Hi-Speed warrants that all goods shall conform in all material aspects to the goods identified in the quotation to Buyer and/or purchase order, and Hi-Speed makes to Buyer the manufacturer's express warranty for any goods sold to Buyer, which is offered by the manufacturer at the time of acceptance of any quotation by Buyer. This warranty is conditioned upon the installation, operation, and maintenance of the goods in accordance with the manufacturer's recommendations and/or standard industry practice and the goods at all times being operated or used under normal operating conditions for which they were designed. Hi-Speed, at its sole option, will repair or

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11. **GOVERNING LAW AND JURISDICTION.** Any controversy arising out of any quotation, the purchase order, the goods sold or delivered, repair or replacement thereof, or any services provided pursuant to any quotation or any purchase order, or these Standard Terms and Conditions shall be governed by the laws of the state of Tennessee without regard to any choice of law provisions and any cause of action related in any manner thereto shall be brought only in the state or federal courts of Shelby County, Tennessee.
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