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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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AC Recondition Repair Report

FolderID: 99006
FormID: 12061975

Reynolds Metals company
1333 highway 270
Malvern, AR 72104

Priorities Found:  15 - 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	
Initial Electric Test	
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

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117. Flange Condition

(P) Pass



118. Service Technician

RW

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

(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

457 Volts



134. Test Run Amps A

1.1 Amps

135. Test Run Voltage Phase B

457 Volts



136. Test Run Amps B

1 Amps

137. Test Run Voltage Phase C

458 Volts



138. Test Run Amps C

1.2 Amps

139. DE Horizontal Vibration Reading

140. DE Vertical Vibration Reading

141. DE Axial Vibration Reading

142. ODE Horizontal Vibration Reading

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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
<div> <div></div> 158. Motor Paint </div> <div>(P) Pass</div>



159. Service Technician	RW
<div> <div></div> </div>	



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1. **APPLICABILITY.** The sale of any and all goods and/or services by Mock, Inc. d/b/a Hi-Speed Industrial Service ("Hi-Speed") shall be specifically conditioned upon and subject to the following terms and conditions which are incorporated by reference into any contracts and purchase orders with Hi-Speed, and which shall form and become a part of any agreement related thereto. Buyer's acceptance of any offer or quotation made by Hi-Speed for sale of any goods or services is expressly made subject to the terms and conditions set forth herein and to be so effective, Buyer need not sign or approve these Terms and Conditions to be bound hereunder provided a copy of same is provided to Buyer through any means. None of the terms and conditions contained herein may be added to, expanded, changed, modified, superseded or otherwise altered except as revised in writing and duly executed by Hi-Speed, and all orders received by Hi-Speed shall be governed only by the terms and conditions contained herein, notwithstanding any terms, conditions or provisions of any purchase order, release order, authorization or any other form issued by the Buyer. Hi-Speed hereby objects to any additional, modified, changed, deleted, altered or other terms and conditions not contained herein and notifies Buyer that any such terms or provisions are expressly rejected by Hi-Speed.
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