



**KEEPING YOUR FACILITY UP TO SPEED**  
— EVERY DAY SINCE 1946 —

Motor Shop Repairs

**Job Number 99517**

Prepared for Almatris Inc/RCP Bauxite (10014)

4701 Alcoa Road  
Bauxite AR 72011

# Table of Contents

AC Recondition Repair Report

1.0

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*Table of Contents*



Hi-Speed Industrial Service  
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Millington, Tn 38053  
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## AC Recondition Repair Report

FolderID: 99517  
FormID: 13090480

Almatis Inc/RCP Bauxite (10014)  
4701 Alcoa Road  
Bauxite, AR 72011

Priorities Found: ● 2 - High ● 14 - Good

### General

1. Job Number	99517
2. Report Date	3/15/2022
3. Customer	Almatis Inc

### Name Plate Information

4. Manufacturer	Reliance
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*This side down*





5. Model	<b>P18G7185DJZ</b>
6. Serial Number	
7. Horsepower	<b>1.5</b>
8. KW	
9. Volts	<b>460</b>
10. Amps	<b>2.5</b>
11. RPM	<b>1755</b>
12. Frame	<b>182TDZ</b>
13. Enclosure	<b>TEFC</b>
14. Cycles	<b>60</b>
15. Phase	<b>3</b>
16. Service Factor	<b>1.00</b>
17. Motor Mount Position	
<b>Initial Inspection</b>	
18. Number of Leads	<b>3</b>
19. Lead Length	
20. Lead Size	
21. Lead Condition	<b>(P) Pass</b>
22. Lead Markings	
23. Lug Size, Condition, and Type	
24. Winding RTD's	<b>(NA) Not Applicable</b>
25. Winding Rtd's Condition	<b>(NA) Not Applicable</b>
26. Shaft Run Out	
27. Does Shaft Turn Freely	<b>yes</b>

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28. Does Shaft Have Visible Damage

yes

Output shaft needs repaired



29. Bearing Rtd's

(NA) Not Applicable

30. Bearing Rtd's Condition

(NA) Not Applicable

31. Contamination

Windings full of grease

32. Frame Condition

(P) Pass

33. Fan Condition

(NA) Not Applicable

34. Broken or missing components

No

#### Initial Electric Test

35. Resistance to Ground

36. Winding Resistance 1-2

9.880000000000001 Ohm

37. Winding Resistance 2-3

9.85 Ohm's

38. Winding Resistance 1-3

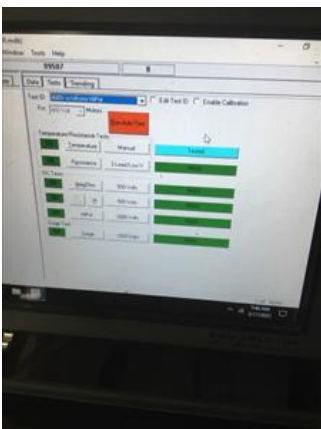
9.880000000000001 Ohm's

39. Resistive Imbalance

40. Hi-Pot

41. Surge Test

(P) Pass





42. Stator Condition

wash and bake



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 (P) Pass

● 49. Rotor Condition (P) Pass

Wash

### Mechanical Inspection

50. Bearing Manufacture

Koyo



52. Bearing DE Type	ball bearing
53. DE Bearing Qty.	1
54. Bearing ODE Size	6205



55. Bearing ODE Type	ball bearing
56. ODE Bearing Qty.	1
57. Insulated Bearing	no
58. Lubrication Type	grease
59. Grease Condition	
60. Bearing Retainers	
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	coupling and bushing
67. Cause of Failure	
68. Comments	<i>Over greased</i>



RW

**Machine Fit Inspection Report**

70. Shaft Run Out

**(F) Fail**

Output shaft needs repaired



71. Initial Shaft Run Out	
72. Final Shaft Run Out	
73. DE Bearing Shaft Fit	<b>(P) Pass</b>
74. DE Initial Shaft Bearing Fit Size 1	
75. DE Initial Shaft Bearing Fit Size 2	
76. DE Initial Shaft Bearing Fit Size 3	
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	<b>(P) Pass</b>
81. ODE Initial Shaft Bearing Fit Size 1	
82. ODE Initial Shaft Bearing Fit Size 2	
83. ODE Initial Shaft Bearing Fit Size 3	
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	<b>(P) Pass</b>

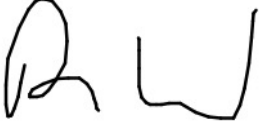


94. DE Initial Endbell Fit Size 1	
95. DE Initial Endbell Fit Size 2	
96. DE Initial Endbell Fit Size 3	
97. DE Final Endbell Fit Size 1	
98. DE Final Endbell Fit Size 2	
99. DE Final Endbell Fit Size 3	
100. DE Endbell Fit Insulated	(NA) Not Applicable
101. DE Endbell Air Seal Fit	
102. Initial Endbell Air Seal Fit Size	
103. Final Endbell Air Seal Fit Size	
<div>104. ODE Endbell Fit</div> <div>Needs resleeve</div>	(F) Fail



105. ODE Initial Endbell Fit Size 1	
106. ODE Initial Endbell Fit Size 2	
107. ODE Initial Endbell Fit Size 3	
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	

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● 115. Foot Flatness	(NA) Not Applicable
● 116. Foot Condition	(NA) Not Applicable
● 117. Flange Condition	(P) Pass
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
- 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

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156. Temp at 55 minutes
157. Temp at 60 minutes
158. Motor Paint
159. Service Technician



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5. **DELIVERY OF GOODS AND/OR SERVICES.** Unless otherwise identified in the quotation, all shipments are F.O.B. Hi-Speed's warehouse and the title to and all risk of loss with respect to any goods shipped shall pass to Buyer when such goods are delivered to the carrier at Hi-Speed's warehouse. Hi-Speed will use its best efforts to affect delivery by the date or dates specified in the quotation. However, Hi-Speed shall not be liable for delay in or failure to make shipment, or to perform services, by any identified date for any reason whatsoever, including but not limited to, causes beyond its reasonable control, such as strikes, fires, floods, epidemics, quarantines, restrictions, severe weather, embargos, acts of God, or public enemy, war, riot, delays in transportation or the inability to obtain necessary labor, materials or manufacturing facilities.
6. **DELIVERY SITE AND TIME FOR PERFORMANCE.** Hi-Speed and Buyer agree that time is of the essence for the purchase order and that Buyer shall fully cooperate with Hi-Speed in order to allow Hi-Speed full access to prosecute its work diligently and in an orderly manner. Buyer shall assist Hi-Speed in every way possible to avoid delaying, disrupting or interfering with the progress of Hi-Speed's work at the project site. In the event Hi-Speed's work is delayed, hindered, suspended, disrupted, re-sequenced or interfered with or rendered less efficient or more costly or adversely affected in any way as a result of acts or omissions of Buyer or other contractors or employees of Buyer or by any other reason beyond Hi-Speed's control and without the fault of Hi-Speed, then, in such event, Buyer shall be liable to Hi-Speed for any damages, additional costs, expenses, labor, materials, man hours, acceleration costs, overtime, additional jobsite overhead, extended home office overhead, and any and all other direct and indirect expenses of whatsoever nature or kind, caused in whole or in part, as a result of any of the above-referenced occurrences. Hi-Speed's project records will be the basis for computing the additional costs and damages of Hi-Speed's labor, materials, expenses and overhead related to such changes. BUYER WARRANTS THAT THE SITE FOR DELIVERY OR INSTALLATION OF ANY GOODS AND/OR FOR THE PERFORMANCE OF ANY SERVICES SHALL BE READY AND ADEQUATE FOR HI-SPEED'S DELIVERY OF GOODS AND/OR PERFORMANCE OF SERVICES AND THAT HI-SPEED SHALL HAVE FULL ACCESS THERETO, FREE OF ALL OBSTRUCTIONS. BUYER SHALL ASSUME ALL EXTRA COSTS ASSOCIATED WITH HI-SPEED'S INABILITY TO INSTALL ANY GOODS OR PERFORM ANY SERVICES AS A RESULT OF BUYER'S FAILURE TO COMPLY WITH THIS PROVISION. HI-SPEED MAY NOT INSPECT THE SITE PRIOR TO DELIVERY AND/OR INSTALLATION OF GOODS AND/OR PERFORMANCE OF SERVICES AND MAKES NO WARRANTY AS TO THE SUFFICIENCY OF THE SITE FOR THE DELIVERY AND/OR INSTALLATION OF GOODS AND/OR THE PERFORMANCE OF SERVICES AT SUCH SITE.
7. **INSPECTION/ACCEPTANCE.** All goods and services ordered pursuant to any quotation shall be subject to inspection by Buyer after delivery or performance to determine conformity with the quotation and/or purchase order and Hi-Speed's advertised or published specifications. Buyer shall have a period of thirty (30) days from shipment of goods at the delivery destination specified in the quotation within which to inspect the goods for conformity with the quotation, order and/or Hi-Speed's advertised and published specifications and to provide Hi-Speed with written notice of any discrepancy or rejection. Buyer shall have a period of thirty (30) days following completion of any services within which to inspect the services for conformity with the quotation, purchase order and/or Hi-Speed's advertised and published specifications and to provide Hi-Speed with written notice of any discrepancy or rejection. If the goods delivered or services performed do not so conform, upon delivery of notice to Hi-Speed of any discrepancy, nonconformance or rejection, Hi-Speed shall have sixty (60) days to cure the alleged discrepancy and/or nonconformance. If Hi-Speed fails to cure in this time period, Buyer shall have the right to reject such goods or services. After the cure period, goods that have been delivered and rejected, in whole or in part, shall be returned to Hi-Speed. Buyer shall notify Hi-Speed and arrange for the return of the goods as required. Should such non-conforming services be rejected Hi-Speed shall, at its sole cost, re-perform the non-conforming services. Inspection or failure to inspect on any occasion shall not affect Buyer's rights under the warranty provisions herein.
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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13. **FORCE MAJEURE.** Neither party shall be responsible for any delay or failure in performance of any party of the quotation, purchase order or these Standard Terms and Conditions to the extent that such delays or failures are caused by fire, flood, earthquake, explosion, war, embargo, government requirement, civil or military authority, acts of God, or any other circumstances beyond its reasonable control and not involving any fault or negligence on the party affected ("Condition"). If any such Condition occurs, the party delayed or unable to perform shall promptly give written notice to the other party and, if such Condition remains at the end of thirty (30) days, the party affected by the other party's delay and inability to perform may elect to (i) terminate such order or part thereof, or (ii) suspend the order for the duration of the Condition, if the Buyer is the suspending party, buy elsewhere comparable material to be sold under the order and apply to any commitment the purchase price of such purchase, and resume performance of the order once the Condition ceases, with an option in the affected party to extend the period of this order up to the length of the time the Condition endures.
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