

EVERY DAY SINCE 1946

Motor Shop Repairs

Job Number 99515

Prepared for Almatis Inc/RCP Bauxite (10014)

4701 Alcoa Road Bauxite AR 72011

Table of Contents

AC Recondition Repair Report



Hi-Speed Industrial Service 7030 Ryburn Dr Millington, Tn 38053 901-873-5300

AC Recondition Repair Report

Almatis Inc/RCP Bauxite (10014)

4701 Alcoa Road Bauxite, AR 72011

Priorities Found: (🔵 2 - High	🔵 12 - Good
General		

- 1. Job Number
- 2. Report Date
- 3. Customer
- **Name Plate Information**
- 4. Manufacturer





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3/15/2022

GE

Almatis Inc









5. Model
6. Serial Number
7. Horsepower
8. KW
9. Volts
10. Amps
11. RPM
12. Frame
13. Enclosure



5.	Model	5K6267XH1A	
6.	Serial Number	JHJ920125	
7.	Horsepower	100	
8.	KW		
9.	Volts	460	
10.	Amps	117	
11.	RPM	1770	
12.	Frame	B404TP16	
13.	Enclosure	VHO	
14.	Cycles	60	
15.	Phase	3	
16.	Service Factor	1.15	
17.	Motor Mount Position		
Initial	Inspection		
18.	Number of Leads	3	
19.	Lead Length	18 Inches	
20.	Lead Size		
21.	Lead Condition	(P) Pass	
22.	Lead Markings	1-3	

23. Lug Size, Condition, and Type



- Winding RTD's 24.
- Winding Rtd's Condition 25.
- 26. Shaft Run Out
- 27. Does Shaft Turn Freely
- Does Shaft Have Visible Damage 28.



- Bearing Rtd's 29.
- 30. Bearing Rtd's Condition
- 31. Contamination
 - Yes





(NA) Not Applicable

no

no





(P) Pass

32. Frame Condition





Fan Condition	(NA) Not Applicable			
Broken or missing components				
Initial Electric Test				
Resistance to Ground				
Winding Resistance 1-2				
Winding Resistance 2-3				
Winding Resistance 1-3				
Resistive Imbalance				
Hi-Pot				
Surge Test	(P) Pass			
A WAL V: Manual Lands				
	 Broken or missing components I Electric Test Resistance to Ground Winding Resistance 1-2 Winding Resistance 2-3 Winding Resistance 1-3 Resistive Imbalance Hi-Pot 			



42. Stator Condition

43. Failure Location

Initial Rotor Inspection

44. Rotor Type





- 45. Air Gap <10% Variation
- 46. Number of Rotor Bars
- 47. Number of Broken Rotor Bars
- 48. Growler Test
- 49. Rotor Condition



Mechanical Inspection

50. Bearing Manufacture



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52. Bearing DE Type	thrust
3. DE Bearing Qty.	1
4. Bearing ODE Size	6215 2Z
5. Bearing ODE Type	regular ball bearing
6. ODE Bearing Qty.	1
7 Insulated Design	no
7. Insulated Bearing	grease
B. Lubrication Type	

52. Bearing DE Type	
53. DE Bearing Qty.	



7222BMP

Printed on 5/16/2022



60. Bearing Retainers





1.44.1.5.4	Silica	
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	bottom bearing failed due to grease contaminated.
67.	Cause of Failure	
	Stator saturated water and wasp nests etc.	
68.	Comments	
		ell mount bolts were missing and the top gland nut was removed. This of the stator housing when the motor was being lifted up.
69.	Service Technician	Terrence. Holland
	L	
Mach	ine Fit Inspection Report	· ·
70.	Shaft Run Out	
74	Initial Shaft Run Out	

71. Initial Shaft Run Out

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(Y) Yes

	2. Final Shaft Run Out	
	3. DE Bearing Shaft Fit	(P) Pass
74	 DE Initial Shaft Bearing Fit Size 1 	4.3313 "
7	5. DE Initial Shaft Bearing Fit Size 2	4.332 "
70	6. DE Initial Shaft Bearing Fit Size 3	4.3313 "
7	7. DE Finial Shaft Bearing Fit Size 1	
78	3. DE Finial Shaft Bearing Fit Size 2	
79	DE Finial Shaft Bearing Fit Size 3	
8). ODE Bearing Shaft Fit	(P) Pass
8	 ODE Initial Shaft Bearing Fit Size 1 	2.953 "
82	2. ODE Initial Shaft Bearing Fit Size 2	2.9531 "
8	3. ODE Initial Shaft Bearing Fit Size 3	2.9531 "
84	4. ODE Finial Shaft Bearing Fit Size 1	
8	5. ODE Finial Shaft Bearing Fit Size 2	
8	6. ODE Finial Shaft Bearing Fit Size 3	
8	7. DE Air Seal Shaft Fit	
88	3. DE Initial Air Seal Shaft Size	
8	9. DE Final Air Seal Shaft Size	
90). ODE Air Seal Shaft Fit	
9	I. ODE Initial Air Seal Shaft Size	
92	2. ODE Final Air Seal Shaft Size	
9	3. DE Endbell Fit	(P) Pass
94	4. DE Initial Endbell Fit Size 1	
9	5. DE Initial Endbell Fit Size 2	
90	6. DE Initial Endbell Fit Size 3	
9	7. DE Final Endbell Fit Size 1	
98	3. DE Finial Endbell Fit Size 2	
99	9. DE Final Endbell Fit Size 3	
10	0. DE Endbell Fit Insulated	
10	1. DE Endbell Air Seal Fit	
10	2. Initial Endbell Air Seal Fit Size	
10	3. Finial Endbell Air Seal Fit Size	
• 10	4. ODE Endbell Fit	(F) Fail



105. ODE Initial Endbell Fit Size 1

Grooved and piece missing.

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106. ODE Initial Endbell Fit Size 2

107. ODE Initial Endbell Fit Size 3

108. ODE Final Endbell Fit Size 1



5.1187 " 5.1187 " (NA) Not Applicable
(NA) Not Applicable
(NA) Not Applicable
(NA) Not Applicable
(P) Pass
Terrence. Holland

Balancing Report

119. Balance Type

ł



120. Balance Operating Speed

121. Start Left End

122. Start Right End

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5.1187 "

123.	Balancing Specification
	Finish Left End
	Finish Right End
	Service Technician
	nbly and Final Test
	Meggar Testing Reading
	Surge Test
	Hi-Pot
	Winding Resistance 1-2
	Winding Resistance 2-3
	Winding Resistance 1-3
	Test Run Voltage Phase A
	Test Run Amps A
	Test Run Voltage Phase B
	Test Run Amps B
	Test Run Voltage Phase C
	Test Run Amps C
	DE Horizontal Vibration Reading
	DE Vertical Vibration Reading
	DE Axial Vibration Reading
	ODE Horizontal Vibration Reading
	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







159. Service Technician



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- 1. <u>APPLICABILITY.</u> 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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- 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.
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- 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 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

TermsAndConditions

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- 10. <u>SEVERABILITY</u>. The partial or complete invalidity of any provision of these Standard Terms and Conditions shall not affect the enforceability of the remainder of these Standard Terms and Conditions. If any provision is found to be invalid or unenforceable, that portion shall be modified to make it enforceable or shall be stricken and the remainder of these Standard Terms and Conditions shall enforced.
- 11. <u>GOVERNING LAW AND JURISDICTION.</u> 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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- 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, earth quake, 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.
- 14. <u>NONWAIVER</u>. No course of dealing or failure of either party to strictly enforce any term, right, or condition of these Standard Terms and Conditions will be construed as a waiver of such term, right or condition. Any waiver by Hi-Speed will only be in writing and will waive no succeeding breach of a term, right or condition.
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