

Motor Shop Repairs

Job Number 97980

Prepared for Arauco-Malvern MDF (10298)

1275 Willamette Rd Malvern AR 72104

Table of Contents



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AC Recondition Repair Report

Arauco-Malvern MDF (10298)

1275 Willamette Rd Malvern, AR 72104

Priorities Found: 4 - High

12 - Good

General 1. Job Number 97980 2. Report Date 3/15/2021 Customer **ARAUCO**

Name Plate Information

Manufacturer **SIEMENS**







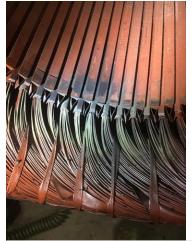






5.	Model	TYPE: RGZSO
6.	Serial Number	
		00
7.	Horsepower	60
8.	KW	
9.	Volts	460
10.	Amps	66.7
11.	RPM	1775
12.	Frame	364T
13.	Enclosure	TEFC
14.	Cycles	60
15.	Phase	3
16.	Service Factor	1.15
17.	Motor Mount Position	
Initial	Inspection	
18.	Number of Leads	3
19.	Lead Length	12 Inches
20.	Lead Size	1
2 1.	Lead Condition	(P) Pass
22.	Lead Markings	none
23.	Lug Size, Condition, and Type	
24.	Winding RTD's	(NA) Not Applicable
25.	Winding Rtd's Condition	

2	26.	Shaft Run Out	
2	27.	Does Shaft Turn Freely	
2	28.	Does Shaft Have Visible Damage	
2	29.	Bearing Rtd's	(NA) Not Applicable
3	30.	Bearing Rtd's Condition	
3	31.	Contamination	
• 3	32.	Frame Condition	(P) Pass
• 3	33.	Fan Condition	(F) Fail
3	34.	Broken or missing components	
		Fan	
Init	tial	Electric Test	
3	35.	Resistance to Ground	0 Mohm
3	36.	Winding Resistance 1-2	
3	37.	Winding Resistance 2-3	
3	38.	Winding Resistance 1-3	
3	39.	Resistive Imbalance	
4	40.	Hi-Pot	Ua
• 4	41.	Surge Test	(F) Fail
4	42.	Stator Condition	burned
4	43.	Failure Location	ODE bottom



Initial Rotor Inspection			
44.	Rotor Type		
45.	Air Gap <10% Variation		
46.	Number of Rotor Bars	44	
47.	Number of Broken Rotor Bars	0	
48 .	Growler Test	(P) Pass	
4 9.	Rotor Condition	(P) Pass	
Mech	Mechanical Inspection		
50.	Bearing Manufacture	FAG	
51.	Bearing DE Size	6313 2Z	
52.	Bearing DE Type		
53.	DE Bearing Qty.	1	
54.	Bearing ODE Size	6313 2Z	
55.	Bearing ODE Type		

56	ODE Bearing Qty.	
57.	Insulated Bearing	
58.		
59.	Grease Condition	(F) Fail
		(F) Fall
60.	9	(V) Vac
	Shaft Grounding Device ODE inner	(Y) Yes
-		(NIA) NIA A - P. III
	DE Seal	(NA) Not Applicable
63.	, , , , , , , , , , , , , , , , , , ,	
64.		(NA) Not Applicable
	ODE Seal Type/Size	
	Cause of Failure	
	Component Failure	stator
67.	Cause of Failure	
	Unknown	
68.	Comments	
	Rewind. Replace Fan. Sleeve DE end bell	
69.	Service Technician	David Maclin
/ lach	ine Fit Inspection Report	
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	2.5597 "
75.	DE Initial Shaft Bearing Fit Size 2	2.5595 "
76.	DE Initial Shaft Bearing Fit Size 3	2.5596 "
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	2.5592 "
82.	ODE Initial Shaft Bearing Fit Size 2	2.5592 "
83.		2.5592 "
84.	-	
85.		
86.		
87.		
88.		
	DE Final Air Seal Shaft Size	
	ODE Air Seal Shaft Fit	
91.		
92.		
93.		(F) Fail
55.		5.5131 "
ΩΛ		3.31.31
94.	DE Initial Endbell Fit Size 1 DE Initial Endbell Fit Size 2	5.5132 "

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98. DE Finial Endbell Fit Size 2	5.512 "
99. DE Final Endbell Fit Size 3	5.512 "
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	5.5125 "
106. ODE Initial Endbell Fit Size 2	5.5124 "
107. ODE Initial Endbell Fit Size 3	5.5125 "
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
118. Service Technician	David Maclin
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		
Assen	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 Volts		



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





159. Service Technician



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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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- 4. <u>BILLING AND PAYMENT TERMS.</u> Hi-Speed shall invoice Buyer for all goods and/or services as same are rendered at the address listed on the quotation. Payments for all goods and/or services shall be due thirty (30) days from the date of the current invoice or as otherwise set forth in the quotation. Late payments are subject to a late fee of 5% of the total invoice amount. Recurring late payments may lead to a deposit requirement on future services or sale of goods. Buyer shall be liable to Hi-Speed for any and all fees and expenses incurred by Hi-Speed to collect any invoices or to enforce these Standard Terms and Conditions, including but not limited to, attorney's fees.
- 5. <u>DELIVERY OF GOODS AND/OR SERVICES.</u> 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.
- **DELIVERY SITE AND TIME FOR PERFORMANCE.** Hi-Speed and Buver 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.
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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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- 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. **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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- 15. **ASSIGNMENT.** The rights and obligations of the parties shall neither be assigned nor delegated without the prior written consent of the other party. However, any party may assign or delegate its respective rights and obligations, in whole or in part, (i) to any subsidiary, (ii) pursuant to other financing, merger or reorganization or (iii) pursuant to any sale or transfer of substantially all of the assets of the assigning party. These Standard Terms and Conditions shall bind the heirs, successors and assigns of the parties hereto.
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