

# Motor Shop Repairs

# **Job Number 97770**

Prepared for DELTA PLASTICS OF THE SOUTH

3104 SOUTH MAIN STREET STUTTGART AR 72160

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# **AC Recondition Repair Report**

## **DELTA PLASTICS OF THE SOUTH**

3104 SOUTH MAIN STREET STUTTGART, AR 72160

Priorities Found: 5 - High

15 - Good

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- 1. Job Number 97770
- 2. Report Date
- 3. Customer

#### **DELTA PLASTICS STUTTGART**

#### **Name Plate Information**

- 4. Manufacturer
- Model
- TYPE: ACM3L55-4 PHE



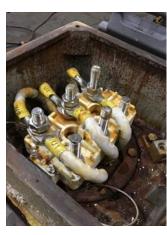












6.	Serial Number	1506397629	
7.	Horsepower		
8.	KW	132	
9.	Volts		
10.	Amps		
11.	RPM	1780	
12.	Frame		
13.	Enclosure		
14.	Cycles	60	
15.	Phase	3	
16.	Service Factor		
17.	Motor Mount Position	F3	
Initial	Inspection		
18.	Number of Leads		
19.	Lead Length		
20.	Lead Size		
21.	Lead Condition		
22.	Lead Markings		
23.	Lug Size, Condition, and Type		
24.	Winding RTD's		
25.	Winding Rtd's Condition		
26.	Shaft Run Out	0.001	





29.	Bearing Rtd's	
30.	Bearing Rtd's Condition	
31.	Contamination	
32.	Frame Condition	(P) Pass
33.	Fan Condition	(F) Fail



34.	Broken or missing components			
Initial	Initial Electric Test			
35.	Resistance to Ground			
36.	Winding Resistance 1-2			
37.	Winding Resistance 2-3			
38.	Winding Resistance 1-3			
39.	Resistive Imbalance			
40.	Hi-Pot			
<b>41</b> .	Surge Test (P) Pass			

### 42. Stator Condition





43. Failure Location

# **Initial Rotor Inspection**

44. Rotor Type cast aluminum



	45.	Air Gap <10% Variation	
	46.	Number of Rotor Bars	62
	47.	Number of Broken Rotor Bars	0
	48.	Growler Test	(P) Pass
	49.	Rotor Condition	(P) Pass
Mechanical Inspection			
	50.	Bearing Manufacture	skf

51. Bearing DE Size nu319ecp





52. Bearing DE Type	roller
53. DE Bearing Qty.	1
54. Bearing ODE Size	nsk 6319
55. Bearing ODE Type	ball



56. ODE Bearing Qty.	1
57. Insulated Bearing	no
58. Lubrication Type	grease



59.	Grease Condition	(F) Fail
60.	Bearing Retainers	(Y) Yes





Shaft Grounding Device
 (N) No

● 62. DE Seal (Y) Yes



63. DE Seal Type/Size 95x120x12

64. ODE Seal (Y) Yes



65. ODE Seal Type/Size 95x120x12

**Root Cause of Failure** 



67. Cause of Failure

Lack of Iubrication



68. Comments
69. Service Technician

Trevor Hall

T- Mel

Λ	Machine Fit Inspection Report		
	70.	Shaft Run Out	(P) Pass
	71.	Initial Shaft Run Out	0.001 "
	72.	Final Shaft Run Out	0.001 "

# 73. DE Bearing Shaft Fit





74.	DE Initial Shaft Bearing Fit Size 1	3.7409 "
75.	DE Initial Shaft Bearing Fit Size 2	3.7408 "
76.	DE Initial Shaft Bearing Fit Size 3	3.7408 "
77.	DE Finial Shaft Bearing Fit Size 1	
78.	DE Finial Shaft Bearing Fit Size 2	
79.	DE Finial Shaft Bearing Fit Size 3	
<b>8</b> 0.	ODE Bearing Shaft Fit	(P) Pass



81.	ODE Initial Shaft Bearing Fit Size 1	3.7408 "
82.	ODE Initial Shaft Bearing Fit Size 2	3.7408 "
83.	ODE Initial Shaft Bearing Fit Size 3	3.7408 "
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	(P) Pass



121. Start Left End122. Start Right End

94.	DE Initial Endbell Fit Size 1	7.8751 "
95.	DE Initial Endbell Fit Size 2	7.8751 "
96.	DE Initial Endbell Fit Size 3	7.8751 "
97.	DE Final Endbell Fit Size 1	
98.	DE Finial Endbell Fit Size 2	
99.	DE Final Endbell Fit Size 3	
100.	DE Endbell Fit Insulated	(N) No
101.	DE Endbell Air Seal Fit	
102.	Initial Endbell Air Seal Fit Size	
103.	Finial Endbell Air Seal Fit Size	
<b>1</b> 04.	ODE Endbell Fit	(P) Pass
105.	ODE Initial Endbell Fit Size 1	7.8751 "
106.	ODE Initial Endbell Fit Size 2	7.8749 "
107.	ODE Initial Endbell Fit Size 3	7.875 "
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	(N) No
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	
118.	Service Technician	Trevor Hall
	/ - Juli	
Balan	cing Report	
119.	Balance Type	
120.	Balance Operating Speed	

- 123. Balancing Specification
- 124. Finish Left End
- 125. Finish Right End
- 126. Service Technician

## **Assembly and Final Test**

127. Meggar Testing Reading 82200 Mohm



- 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 458 Volts



134. Test Run Amps A 55.9 Amps



136. Test Run Amps B	51 Amps
137. Test Run Voltage Phase C	460 Volts



138. Test Run Amps C	49 Amps
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	

● 158. Motor Paint (P) Pass











159. Service Technician RW



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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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- 8. <u>WARRANTIES.</u> 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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