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# **Motor Shop Repairs**

## Job Number 98666

Prepared for Delta Plastics (11016)

8801 Frazier Pike Little Rock AR 72206

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> FolderID: 98666 FormID: 11490595

### **AC Recondition Repair Report**

**Delta Plastics (11016)** 8801 Frazier Pike Little Rock, AR 72206

Priorities Found: 2 - High

**16 - Good** 

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General			
1.	Job Number	98666	
2.	Report Date	9/1/2021	
3.	Customer	Delta Plastics	
Name Plate Information			
4.	Manufacturer	Baldor	

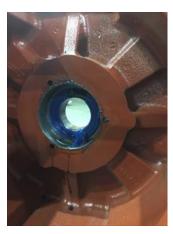






























5.	Model	L0234A
6.	Serial Number	GG164620005
7.	Horsepower	150
8.	KW	
9.	Volts	460
10.	Amps	180
11.	RPM	1755
12.	Frame	URL2882Z
13.	Enclosure	DP6-FV
14.	Cycles	60

	15.	Phase	3
	16.	Service Factor	1.00
	17.	Motor Mount Position	
In	itial	Inspection	
	18.	Number of Leads	6
	19.	Lead Length	Inches
	20.	Lead Size	
	21.	Lead Condition	(P) Pass
	22.	Lead Markings	
	23.	Lug Size, Condition, and Type	
	24.	Winding RTD's	
	25.	Winding Rtd's Condition	
	26.	Shaft Run Out	
	27.	Does Shaft Turn Freely	yes
	28.	Does Shaft Have Visible Damage	yes
	29.	Bearing Rtd's	
	30.	Bearing Rtd's Condition	
	31.	Contamination	
		Grease	
	32.	Frame Condition	(P) Pass
	33.	Fan Condition	(NA) Not Applicable
	34.	Broken or missing components	
		Na	
In	itial	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	
	41.	Surge Test	(P) Pass



42.	Stator Condition	pass
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	0
<b>4</b> 8.	Growler Test	(P) Pass
<b>4</b> 9.	Rotor Condition	(P) Pass
Mech	anical Inspection	
50.	Bearing Manufacture	FAG
51.	Bearing DE Size	NU215E
52.	Bearing DE Type	roller bearing
53.	DE Bearing Qty.	1
54.	Bearing ODE Size	6211
55.	Bearing ODE Type	ball bearing
56.	ODE Bearing Qty.	1
57.	Insulated Bearing	
58.	Lubrication Type	grease
<b>9</b> 59.	Grease Condition	(F) Fail
<b>6</b> 0.	Bearing Retainers	(Y) Yes



61.	Shaft Grounding Device				
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	DE bearing shaft fit			
67.	Cause of Failure				
	Drive end shaft failure due to possible over tightening of belts				
68.	Comments				
	Recommend reconditioning new bearings and repair on shaft				
69.	Service Technician				
Mach	Machine Fit Inspection Report				
<b>7</b> 0.	Shaft Run Out	(P) Pass			
71.	Initial Shaft Run Out				
72.	Final Shaft Run Out				

	73	DE Bearing Shaft Fit	(F) Fail
		DE Initial Shaft Bearing Fit Size 1	(1 / 1 all
		Belzona broke free	
		DE Initial Shaft Bearing Fit Size 2	
	76.	DE Initial Shaft Bearing Fit Size 3	
	70. 77.	DE Finial Shaft Bearing Fit Size 1	
		*	
		DE Finial Shaft Bearing Fit Size 2	
		DE Finial Shaft Bearing Fit Size 3	(5) 5
_		ODE Bearing Shaft Fit	(P) Pass
	81.	ODE Initial Shaft Bearing Fit Size 1	2.1657 "
		ODE Initial Shaft Bearing Fit Size 2	2.1655 "
	83.	ODE Initial Shaft Bearing Fit Size 3	2.1656 "
	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	
	_	ODE Final Air Seal Shaft Size	
	_	DE Endbell Fit	(P) Pass
_		DE Initial Endbell Fit Size 1	(1)1 400
		DE Initial Endbell Fit Size 2	
	96.	DE Initial Endbell Fit Size 3	
		DE Final Endbell Fit Size 1	
	_		
		DE Finial Endbell Fit Size 2	
		DE Final Endbell Fit Size 3	
		DE Endbell Fit Insulated	
		DE Endbell Air Seal Fit	
		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	
•	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	
		ODE Endbell Fit Insulated	
		ODE Endbell Air Seal Fit	
		ODE Initial Endbell Seal Fit Size	
		ODE Finial Endbell Seal Fit Size	
		Foot Flatness	(P) Pass
		Foot Condition	(P) Pass
		Flange Condition	(NA) Not Applicable
•	118.	Service Technician	

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	Mohm
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 A52.5 Amps135. Test Run Voltage Phase B456 Volts

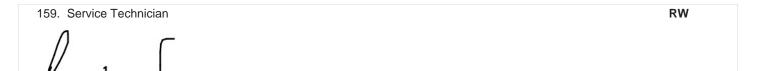


136. Test Run Amps B	51.2 Amps
137. Test Run Voltage Phase C	459 Volts



138.	Test Run Amps C	52 Amps
139.	DE Horizontal Vibration Reading	
140.	DE Vertical Vibration Reading	In/Sec
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	
<b>158.</b>	Motor Paint	(P) Pass







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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.
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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 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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- 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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- 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.
- 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.
- 16. NO INDIVIDUAL LIABILITY. Notwithstanding any other agreement to the contrary, the Buyer agrees that in no event will the Buyer hold and HI-Speed owner, director, officer or employee personally liable for unintentional tortious conduct or conduct that constitutes the breach of any contract between HI-Speed and the Buyer, even if the HI-Speed owner, director, officer or employee is or could be construed to be a party to such contract.