

Motor Shop Repairs

Job Number 98510

Prepared for ALL AMERICAN POLY (10015)

309 PHILLIPS NORTH LITTLE ROCK AR 72117

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

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AC Recondition Repair Report

ALL AMERICAN POLY (10015)

309 PHILLIPS NORTH LITTLE ROCK, AR 72117

Priorities Found: **1 - High**

12 - Good

General		
1.	Job Number	98510
2.	Report Date	7/28/2021
3.	Customer	10015
Name Plate Information		

4. Manufacturer BALDOR











5.	Model	
6.	Serial Number	GG195020093
7.	Horsepower	200
8.	KW	
9.	Volts	400
10.	Amps	241
11.	RPM	2700
12.	Frame	RL 2898
13.	Enclosure	DP

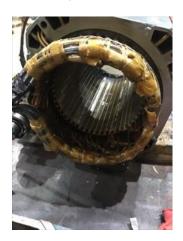
14.	Cycles	
15.	Phase	3
16.	Service Factor	1.0
17.	Motor Mount Position	
Initial	Inspection	
18.	Number of Leads	6
19.	Lead Length	15 Inches
20.	Lead Size	2
2 1.	Lead Condition	(P) Pass



22.	Lead Markings	112233
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	no
29.	Bearing Rtd's	(NA) Not Applicable
3 0.	Bearing Rtd's Condition	(NA) Not Applicable
31.	Contamination	
3 2.	Frame Condition	(P) Pass
33.	Fan Condition	(NA) Not Applicable
34.	Broken or missing components	
Initial	Electric Test	
35.	Resistance to Ground	0 Mohm
36.	Winding Resistance 1-2	
37.	Winding Resistance 2-3	
38.	Winding Resistance 1-3	
39.	Resistive Imbalance	%
40.	Hi-Pot	

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41. Surge Test (F) Fail





42. Stator Condition rewind

43. Failure Location OCE COIL TO COIL



Initial Rotor Inspection

44. Rotor Type cast aluminum



45. Air Gap <10% Variation

46. Number of Rotor Bars 40

47. Number of Broken Rotor Bars

48. Growler Test (P) Pass

49. Rotor Condition Mechanical Inspection 50. Bearing Manufacture 51. Bearing DE Size 52. Bearing DE Type SKF FAG 6215





53. DE Bearing Qty.	1
54. Bearing ODE Size	6211
55. Bearing ODE Type	ball





56.	ODE Bearing Qty.	1
57.	Insulated Bearing	no
58.	Lubrication Type	Grease
59.	Grease Condition	(NA) Not Applicable





- 60. Bearing Retainers
- 61. Shaft Grounding Device
- 62. DE Seal
- 63. DE Seal Type/Size
- 64. ODE Seal
- 65. ODE Seal Type/Size

Root Cause of Failure

- 66. Component Failure
- 67. Cause of Failure

 Coil to coil short



68. Comments

Motor failed cause of cooling

69. Service Technician

RW



Machine Fit Inspection Report

- 70. Shaft Run Out
- 71. Initial Shaft Run Out
- 72. Final Shaft Run Out

73. DE Bearing Shaft Fit

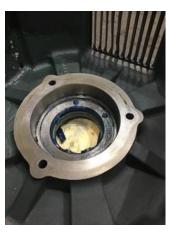




74.	DE Initial Shaft Bearing Fit Size 1	2.9534 "
75.	DE Initial Shaft Bearing Fit Size 2	2.9534 "
76.	DE Initial Shaft Bearing Fit Size 3	2.9534 "
77.	DE Finial Shaft Bearing Fit Size 1	
78.	DE Finial Shaft Bearing Fit Size 2	
79.	DE Finial Shaft Bearing Fit Size 3	
8 0.	ODE Bearing Shaft Fit	(P) Pass



8	. ODE Initial Shaft Bearing Fit Size 1	2.1659 "
82	. ODE Initial Shaft Bearing Fit Size 2	2.1659 "
83	. ODE Initial Shaft Bearing Fit Size 3	2.1659 "
84	. ODE Finial Shaft Bearing Fit Size 1	
8	. 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	
9	. ODE Initial Air Seal Shaft Size	
92	. ODE Final Air Seal Shaft Size	
93	. DE Endbell Fit	(P) Pass



94.	DE Initial Endbell Fit Size 1	5.1189 "
95.	DE Initial Endbell Fit Size 2	5.1189 "
96.	DE Initial Endbell Fit Size 3	5.1189 "
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	(NA) Not Applicable
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	3.9373 "
106. ODE Initial Endbell Fit Size 2	3.9373 "
107. ODE Initial Endbell Fit Size 3	3.9373 "
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	
	Service Technician L	RW
1	4 6	
Balan	cing 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	
Asser	nbly 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	
	Test Run Amps B	
137.	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	
	ODE Axial Vibration Reading	
	Ambient Temp at start of Test Run	
	Temp at 5 minutes	
	Temp at 10 minutes	
	Temp at 15 minutes	
	Temp at 20 minutes	
	Temp at 25 minutes	
	Temp at 30 minutes	
	Temp at 35 minutes	
	Temp at 40 minutes	
	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. <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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- 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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- 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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