

# Motor Shop Repairs

## Job Number 99156

Prepared for ALL AMERICAN POLY (10015)

309 PHILLIPS NORTH LITTLE ROCK AR 72117

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Printed on 12/29/2021 Powered by INSPECTALL Table of Contents



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#### **AC Recondition Repair Report**

**ALL AMERICAN POLY (10015)** 

309 PHILLIPS NORTH LITTLE ROCK, AR 72117

Priorities Found: **a** 2 - High

13 - Good

Gene	ral			
1.	Job Number		99156	
2.	Report Date		12/28/2021	
3.	Customer		All American Poly Co.	
Name	Plate Information	n		

4. Manufacturer Baldor











5.	Model	LDDRPM281504
6.	Serial Number	GG181220056
7.	Horsepower	150
8.	KW	
9.	Volts	460
10.	Amps	180
11.	RPM	1755
12.	Frame	RL2882
13.	Enclosure	DP

14.	Cycles	60
15.	Phase	3
16.	Service Factor	1.00
17.	Motor Mount Position	
Initial	Inspection	
18.	Number of Leads	6
19.	Lead Length	17 Inches
20.	Lead Size	4
21.	Lead Condition	(P) Pass
22.	Lead Markings	11 22 33
23.	Lug Size, Condition, and Type	
24.	Winding RTD's	
25.	Winding Rtd's Condition	
26.	Shaft Run Out	0.001
27.	Does Shaft Turn Freely	yes
28.	Does Shaft Have Visible Damage	no



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

  A lot of dirt and dust



32. Frame Condition(P) Pass

33. Fan Condition

	34.	I. Broken or missing components	
Ir	itial	al Electric Test	
	35.	5. Resistance to Ground	
	36.	6. Winding Resistance 1-2	
	37.	7. Winding Resistance 2-3	
	38.	3. Winding Resistance 1-3	
	39.	). Resistive Imbalance	
	40.	). Hi-Pot	
	41.	. Surge Test	(P) Pass
	42.	2. Stator Condition	recondition
	43.	3. Failure Location	
Ir	itial	al Rotor Inspection	
	44.	I. Rotor Type	cast aluminum
	45.	5. Air Gap <10% Variation	
	46.	6. Number of Rotor Bars	40
	47.	7. Number of Broken Rotor Bars	0
	48.	3. Growler Test	(P) Pass
	49.	Rotor Condition	(P) Pass



Mechanical Inspection	
50. Bearing Manufacture	fag
51. Bearing DE Size	nup215
52. Bearing DE Type	roller



53.	DE Bearing Qty.	1
54.	Bearing ODE Size	6211 c3
55.	Bearing ODE Type	ball
56.	ODE Bearing Qty.	1
57.	Insulated Bearing	
58.	Lubrication Type	grease
59.	Grease Condition	(F) Fail
<b>6</b> 0.	Bearing Retainers	(Y) Yes



<b>6</b> 1.	Shaft Grounding Device	(N) No
62.	DE Seal	
63.	DE Seal Type/Size	
64.	ODE Seal	
65.	ODE Seal Type/Size	
Root (	Cause of Failure	
66.	Component Failure	bearings
67.	Cause of Failure	
	Normal wear. Frosting on drive end bearing	



68. Comments

69.	Service Technician	Trevor Hall





94. DE Initial Endbell Fit Size 1	5.1185 "
95. DE Initial Endbell Fit Size 2	5.1185 "
96. DE Initial Endbell Fit Size 3	5.1185 "
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	
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  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  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	3.9376 " 3.9375 " 3.9374 "
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  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	
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	3.9374 "
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	
<ul> <li>110. ODE Final Endbell Fit Size 3</li> <li>111. ODE Endbell Fit Insulated</li> <li>112. ODE Endbell Air Seal Fit</li> <li>113. ODE Initial Endbell Seal Fit Size</li> <li>114. ODE Finial Endbell Seal Fit Size</li> </ul>	
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<ul><li>113. ODE Initial Endbell Seal Fit Size</li><li>114. ODE Finial Endbell Seal Fit Size</li></ul>	
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

**Balancing Report** 

119. Balance	Type
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- 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
128.	Surge Test
	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
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
	Temp at 55 minutes
157.	Temp at 60 minutes
158.	Motor Paint
159.	Service Technician

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