

## 

# LR Motor Shop Repairs

## **Job Number 100671**

Prepared for Delta Plastics (11016)

8801 Frazier Pike Little Rock AR 72206

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1.0



FolderID: 100671

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### **AC Recondition As Found**

**Delta Plastics (11016)** 

8801 Frazier Pike Little Rock, AR 72206

AC Recondition - Rev. 2

MOTOR SHOP LR Location:

Serial Number: GG164620005

Description:150HP BALDOR 1800RPM URL2882Z

Hi-Speed Job Number:	100671
Manufacturer:	Baldor
Product Number:	L0234A
Spec/ID #:	IDDRPM281504M029
Serial Number:	GG164620005
HP/kW:	150 (HP)
RPM:	1755 (RPM)
Frame:	URL2882Z
Voltage:	460
Current:	180
Phase:	Three
Hz:	60 (Hz)
Service Factor:	1.00
Enclosure:	ODP
J-box Included:	Half
Coupling/Sheave:	None
Bearing RTDs:	No
Stator RTDs:	No
Repair Stage:	Teardown Inspection
Heaters:	No
Winding Type :	Random Wound
Bearing Type:	Rolling Element

Priorities Found: **a** 2 - High

6 - Good

### **Overall Condition**

Report Date

Nameplate Picture





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3.	Photos of all six sides of the machine.							
4.	Describe the Overall Condition of the Equipment as Received							
Initial Mechanical/Electrical								
<ul><li>5.</li></ul>	Does Shaft Turn Freely?			(Yes) Yes				
6.	Does Shaft Have Visible Damage?			(No) No				
<ul><li>7.</li></ul>	Assembled Shaft Runout			0 Inches				
8.	Assembled Shaft End Play			0 inches				
9.	Air Gap Variation <10%							
<ul><li>10.</li></ul>	Lead Condition			(P) Pass				
11.	Lead Length			16 Inches				
12.	Frame Condition			good				
13.	Fan Condition			(N) NA				
14.	Broken or Missing Components							
Initial	Initial Electrical Inspection							
15.	Insulation Resistance/Megger		0	Megohms				
16.	Winding Resistance							
	1-2	1-3	2-3					
<ul><li>17.</li></ul>	Perform Surge Test			(F) Fail				
18.	Number of Stator Slots			Megohms				
19.	Stator Condition			rewind				
Mech	Mechanical Inspection							



Drive End Bearing Fit

0

21.	Drive End Bearing Qty.	1	
22.	Drive End Bearing Type	(Roller) Roller Bearing	
23.	Drive End Lubrication Type	(Grease) Grease Lubricated	
24.	Drive End Bearing Insulation or Grounding Device?	none	
25.	Drive End Wavy Washer/Snap-Ring Other Retention Device?	snap ring	
26.	Drive End Bearing Condition	good	
27.	Opposite Drive End Bearing Number-	6211	
28.	Opposite Drive End Bearing Qty.	1	
29.	Opposite Drive End Bearing Type	(Ball) Ball Bearing	
30.	Opposite Drive End Lubrication Type	(Grease) Grease Lubricated	
31.	Opposite Drive End Bearing Insulation or Grounding Device?	aegis	
32.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	none	
33.	Opposite Drive End Bearing Condition	good	
34.	Drive End Seal	none	
35.	Opposite Drive End Seal	none	
Rotor Inspection			
36.	Rotor Type/Material	(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast	
37.	Growler Test	(Pass) Pass	
38.	Number of Rotor Bars	40	
39.	Rotor Condition	good	
40.	List the Parts needed for the Repair Below		
	NU215, 6211, rewind		
	•		
41.	Signature of Technician that Disassembled Motor	David Maclin	
41. L		David Maclin	
L		David Maclin	
Mecha	Signature of Technician that Disassembled Motor	David Maclin  0 inches	
Mecha	Signature of Technician that Disassembled Motor  anical Fits- Rotor		

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Opposite Drive End Bearing

0

Rotor Body

0

	44.	Coupling Fit Closest to Bearing Housing				
		0 Degrees	90 Degrees	120 Degrees		
	45.	45. Coupling Fit Closest to the end of the Shaft				
		0 Degrees	60 Degrees	120 Degrees		
	46.	Drive End Bearing Shaft Fit				
		0 Degrees	60 Degrees	120 Degrees		
		2.954	2.954	2.954		
	47.	Drive End Bearing Shaft Fit Condition			(P) Pass	
	48.	Opposite Drive End Bearing Shaft Fit				
		0 Degrees	60 Degrees	120 Degrees		
		2.1658	2.1658	2.1658		
	49.	Opposite Drive End Bearing Shaft Fit	Condition		(P) Pass	
		Shaft Air Seal Fits			,	
		Drive End Air Seal	Opposite Drive End Air Seal			
			1,1			
M	echa	anical Fits- Bearing Housings				
	51.	Drive End - Endbell Bearing Fit				
		0 Degrees	60 Degrees	120 Degrees		
		5.1199	5.119	5.1191		
	52.	Drive End - Endbell Bearing Fit Condi	tion		(P) Pass	
	53.	Opposite Drive End - Endbell Bearing	Fit			
		0 Degrees	60 Degrees	120 Degrees		
		3.9379	3.9378	3.9378		
	54.	Opposite Drive End - Endbell Bearing Fit Condition			(P) Pass	
	55.	Bearing Cap Condition				
		Drive End Bearing Cap	Opposite Drive End Bearing Cap			
		E 15    A: O 15'				
	56.	End Bell Air Seal Fits				
		Drive End Air Seal	Opposite Drive End Air Seal			
	57.	List Machine Work Needed Below				
		None				
	58.	Technician			David Maclin	
R	oot (	/ / Cause of Failure				
		Failure locations				
		Stator				
	60.	Root cause of failure				
		Overload				

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