



KEEPING YOUR FACILITY UP TO SPEED
— EVERY DAY SINCE 1946 —

LR Motor Shop Repairs

Job Number 104631

Prepared for Delta Plastics (11016)

8801 Frazier Pike
Little Rock AR 72206

Table of Contents

AC Inspection as Found - *MOTOR SHOP LR*

AC Inspection - Rev. 2: *HH7PL9H-H8*

1.0

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Printed on 5/17/2025

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Table of Contents



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AC Inspection as Found

Delta Plastics (11016)

8801 Frazier Pike
Little Rock, AR 72206

FolderID: 104631
FormID: 24482142


AC Inspection - Rev. 2

Location: MOTOR SHOP LR

Serial Number: HH7PL9H-H8

Description: 7.5 HP NEMA

Hi-Speed Job Number:	104631
Manufacturer:	US Motors/Nidec
Product Number:	6208-2RS-J/C3
Spec/ID #:	Y08-563355-100-LT-01
Serial Number:	HH7PL9H-H8
HP/kW:	7.5 (HP)
RPM:	1770 (RPM)
Frame:	213T
Voltage:	Other
Phase:	Three
Hz:	60 (Hz)
Service Factor:	1.15
Enclosure:	TEFC
# of Leads:	6
J-box Included:	Complete
Coupling/Sheave:	Sheave
Date Received:	05/16/2025
Bearing RTDs:	No
Stator RTDs:	No
Repair Stage:	Final
Rewind:	No
Shaft Machined Fit Repairs Required:	No
Bearing Housing Machined Fit Repairs Required:	No
Heaters:	No
Winding Type :	Random Wound
Bearing Type:	Rolling Element

Priorities Found:  **16 - Good**

Overall Condition

1. Report Date

05/16/2025

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4. Describe the Overall Condition of the Equipment as Received

Serviceable

5. Distance from the end of the shaft to the Coupling/Sheave

inches



6. Is this a UL Listed Motor **(No) No**

7. Is the motor water cooled or can be pressure checked before teardown **(No) No**

Initial Mechanical/Electrical

8. Does Shaft Turn Freely? **(Y) Yes**

9. Does the shaft require T.I.R in Lathe to identify additional repairs? **(No) No**

10. Does Shaft Have Visible Damage? **(No) No**

11. Assembled Shaft Runout **0 Inches**






12. Assembled Shaft End Play **inches**

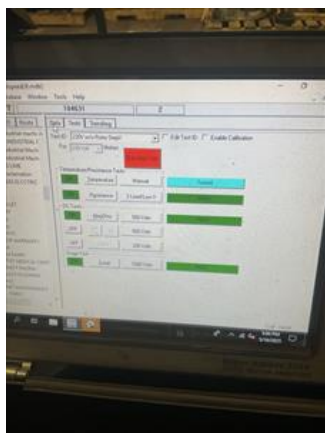
13. Air Gap Variation <10%

14. Lead Condition

(P) Pass



15.	Lead Length				10 Inches
	16.	Does it have Lugs?, If so what is the Stud Size?			(No) No
	17.	Lead Numbers			1-6
	18.	Are the Leads insulated with Chico or other material			(No) No
	19.	Frame Condition			pass
	20.	Fan Condition			(P) Pass
	21.	Does motor have internal fan?			(No) No
	22.	Broken or Missing Components			
Initial Electrical Inspection					
	23.	Insulation Resistance/Megger			7010 Megohms
	24.	Winding Resistance			
		1-2	1-3	2-3	
		0.373	0.372	0.373	
	25.	Perform Surge Test			(P) Pass



26. Number of Stator Slots	36
27. Stator Condition	wash and dry
28. Stator Thermistors/Ohms	
29. Stator Overloads/Ohms	
Mechanical Inspection	
30. Drive End Bearing Brand	PEER

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31. Drive End Bearing Number-

6208 2RS



32. Drive End Bearing Qty.

1

33. Drive End Bearing Type

(Ball) Ball Bearing

34. Drive End Lubrication Type

(Grease) Grease Lubricated

35. Drive End Bearing Insulation or Grounding Device?

36. Drive End Wavy Washer/Snap-Ring Other Retention Device?

37. Drive End Bearing Condition

contaminated grease



38. Opposite Drive End Bearing Brand

PEER

39. Opposite Drive End Bearing Number-

6208 2RS



40. Opposite Drive End Bearing Qty.

1

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41. Opposite Drive End Bearing Type	(Ball) Ball Bearing
42. Opposite Drive End Lubrication Type	(Grease) Grease Lubricated
43. Opposite Drive End Bearing Insulation or Grounding Device?	
44. Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	wavy washer
45. Opposite Drive End Bearing Condition	contaminated grease



46.	Drive End Seal	pass
47.	Opposite Drive End Seal	
Rotor Inspection		
48.	Rotor Type/Material	(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast
49.	Growler Test	(Pass) Pass
50.	Number of Rotor Bars	42
51.	Rotor Condition	pass
52.	List the Parts needed for the Repair Below	
	2-6208 ZZC3 Bearing	
53.	Signature of Technician that Disassembled Motor	
Mechanical Fits- Rotor		
54.	Shaft Runout	0 inches
55.	Rotor Runout	
	Drive End Bearing Fit	Rotor Body
		Opposite Drive End Bearing
56.	Coupling Fit Closest to Bearing Housing	
	0 Degrees	90 Degrees
		120 Degrees
57.	Coupling Fit Closest to the end of the Shaft	
	0 Degrees	60 Degrees
		120 Degrees
58.	Drive End Bearing Shaft Fit	
	0 Degrees	60 Degrees
		120 Degrees
	1.5753	1.5753
		1.5753

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59. Drive End Bearing Shaft Fit Condition

(P) Pass



60. Opposite Drive End Bearing Shaft Fit

0 Degrees

60 Degrees

120 Degrees

1.5753

1.5753

1.5753

61. Opposite Drive End Bearing Shaft Fit Condition

(P) Pass



62. Shaft Air Seal Fits

Drive End Air Seal

Opposite Drive End Air Seal

Pass

Mechanical Fits- Bearing Housings

63. Drive End - Endbell Bearing Fit

0 Degrees

60 Degrees

120 Degrees

3.1502

3.1502

3.1502

64. Drive End - Endbell Bearing Fit Condition

(P) Pass



65. Opposite Drive End - Endbell Bearing Fit

0 Degrees

60 Degrees

120 Degrees

3.1503

3.1503

3.1503

66. Opposite Drive End - Endbell Bearing Fit Condition

(P) Pass



67. Bearing Cap Condition

Drive End Bearing Cap

Opposite Drive End Bearing Cap

pass

68. End Bell Air Seal Fits

Drive End Air Seal

Opposite Drive End Air Seal

Pass

69. List Machine Work Needed Below

70. Technician

RW

[Handwritten signature]

Root Cause of Failure

71. Failure locations

Bearings

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72. Root cause of failure

Mixing the grease

Dynamic Balance Report

73. Rotor Weight and Balance Grade

Rotor Weight

Balance Grade

74. Initial Balance Readings

Drive End

Opposite Drive End

75. Final Balance Readings

Drive End

Opposite Drive End

76. Technician

Assembly

77. QC Check All Parts for Cleanliness Prior to Assembly

RW



78. Photograph All Major Components prior to assembly

(Complete) Complete





79. Final Insulation Resistance Test

93.2 Megohms

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80. Assembled Shaft Endplay	inches	
81. Assembled Shaft Runout	0.0002 inches	
82. Test Run Voltage		
Volts	Volts	Volts
200	199	200



High speed



Low speed

83. Test Run Amperage

Amps	Amps	Amps
10	10	9.800000000000001



High speed



Low speed

84. Drive End Vibration Readings - Inches Per Second

Horizontal	Vertical	Axial
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85. Opposite Drive End Vibration Readings - Inches Per Second

Horizontal	Vertical	Axial
------------	----------	-------

86. Ambient Temperature - Fahrenheit

87. Drive End Bearing Temps - Fahrenheit

5 Minutes	10 Minutes	15 Minutes
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88. Opposite Drive End Bearing Temps - Fahrenheit

5 Minutes	10 Minutes	15 Minutes
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89. Document Final Condition with Pictures after paint



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90. Final Pics and QC Review

RW

 Co sign CRW



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