

LR Motor Shop Repairs

Job Number 103269

Prepared for Tyson Foods (10914)

1238 Market Street Clarksville AR 72830

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AC Inspection as Found - MOTOR SHOP LR

AC Inspection - Rev. 2: 01211990937

1.0





AC Inspection as Found

Tyson Foods (10914)

1238 Market Street Clarksville, AR 72830 FolderID: 103269 FormID: 21094784

AC Inspection - Rev. 2

 Location:
 MOTOR SHOP LR

 Serial Number:
 01211990937

 Description:50HP BALDOR EVAL

Hi-Speed Job Number:	103269
Manufacturer:	Baldor
Product Number:	EM4115T
Serial Number:	01211990937
HP/kW:	50 (HP)
RPM:	1775 (RPM)
Frame:	326T
Voltage:	460
Current:	58
Phase:	Three
Hz:	60 (Hz)
Enclosure:	TEFC
# of Leads:	3
J-box Included:	Complete
Coupling/Sheave:	None
Date Received:	07/24/2024
Bearing RTDs:	No
Stator RTDs:	No
Repair Stage:	Final
Rewind:	No
Heaters:	No
Winding Type :	Random Wound
Bearing Type:	Rolling Element

Priorities Found: 10 - Good

Overall Condition

- 1. Report Date
- 2. Nameplate Picture
- 3. Photos of all six sides of the machine.



























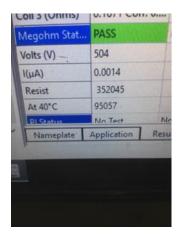




	4.	Describe the Overall Condition of the Equipment as Received		
		Dirty		
Initial Mechanical/Electrical				
	5.	Does Shaft Turn Freely?	(Y) Yes	
	6.	Does the shaft require T.I.R in Lathe to identify additional repairs?	(No) No	
	7.	Does Shaft Have Visible Damage?	(No) No	
	8.	Assembled Shaft Runout	Inches	
	-	Na		
	9.	Assembled Shaft End Play	inches	
	10.	Air Gap Variation <10%		
	11.	Lead Condition	(P) Pass	
	12.	Lead Length	20 Inches	
	13.	Does it have Lugs?, If so what is the Stud Size?	(No) No	
	14.	Lead Numbers	1-3	
	15.	Frame Condition	pass	
	16.	Fan Condition	(P) Pass	
	17.	Broken or Missing Components		
In	Initial Electrical Inspection			

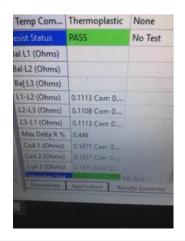
18. Insulation Resistance/Megger





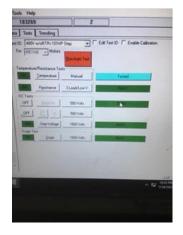
19. Winding Resistance

1-2 1-3 2-3



20. Perform Surge Test

(P) Pass



21. Number of Stator Slots	48
22. Stator Condition	pass

23. Stator Thermistors/Ohms

24. Stator Overloads/Ohms

Mechanical Inspection





27. Drive End Bearing Qty.	1
28. Drive End Bearing Type	(Ball) Ball Bearing
29. Drive End Lubrication Type	(Grease) Grease Lubricated
30. Drive End Bearing Insulation or Grounding Device?	
31. Drive End Wavy Washer/Snap-Ring Other Retention Device?	spanner nut
32. Drive End Bearing Condition	
Contamination and frosting	



33.	. Opposite Drive End Bearing Brand	FAG
34.	. Opposite Drive End Bearing Number-	6311



35. Opposite Drive End Bearing Qty.	1
36. Opposite Drive End Bearing Type	(Ball) Ball Bearing
37. Opposite Drive End Lubrication Type	(Grease) Grease Lubricated
38. Opposite Drive End Bearing Insulation or Grounding Device?	
39. Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	wavy washer
40. Opposite Drive End Bearing Condition	
Frosting	



41.	Drive End Seal	
42.	Opposite Drive End Seal	
Rotor	Inspection	
43.	Rotor Type/Material	(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast
44.	Growler Test	(Pass) Pass
45.	Number of Rotor Bars	42
46.	Rotor Condition	pass
47.	List the Parts needed for the Repair Below 6312 6311	

48. Signature of Technician that Disassembled Motor	
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Cw

Mochanical Fits, Poter

		V			
M	lecha	anical Fits- Rotor			
	49.	Shaft Runout			inches
	50.	Rotor Runout			
		Drive End Bearing Fit	Rotor Body	Opposite Drive End E	Bearing
	51.	Coupling Fit Closest to Bearing Housi	-		
		0 Degrees	90 Degrees	120 Degrees	
	52	Coupling Fit Closest to the end of the	Shaft		
	JZ.	0 Degrees	60 Degrees	120 Degrees	
		0 Degrees	ou Degrees	120 Degrees	
	53.	Drive End Bearing Shaft Fit			
		0 Degrees	60 Degrees	120 Degrees	
		2.3626	2.3627	2.3628	
	54.	Drive End Bearing Shaft Fit Condition			(P) Pass
	55.	Opposite Drive End Bearing Shaft Fit			
		0 Degrees	60 Degrees	120 Degrees	
		2.1657	2.1657	2.1657	
		Opposite Drive End Bearing Shaft Fit	Condition		(P) Pass
	57.	Shaft Air Seal Fits			
		Drive End Air Seal	Opposite Drive End Air Seal		
B.4		and a LETte Department House to an			
IV		echanical Fits- Bearing Housings			
	58.	Drive End - Endbell Bearing Fit	CO Danisa	100 Danies	
		0 Degrees	60 Degrees	120 Degrees	
	F0	5.1189	5.1186	5.1187	(D) Door
		Drive End - Endbell Bearing Fit Condi Opposite Drive End - Endbell Bearing			(P) Pass
	00.	0 Degrees	60 Degrees	120 Degrees	
		4.7252	4.725	4.7249	
	61	Opposite Drive End - Endbell Bearing		7.1270	(P) Pass
		Bearing Cap Condition			(.)
		Drive End Bearing Cap	Opposite Drive End Bearing Cap		
		2o 2a 2oag oap	opposite 2.110 2.100 2001.11.1g cap		
	-	Pass			
	63.	End Bell Air Seal Fits			
		Drive End Air Seal	Opposite Drive End Air Seal		
	64.	List Machine Work Needed Below			

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65. Technician Cw

Root Cause of Failure

66. Failure locations

Bearings

67. Root cause of failure

Frosting and contamination from mixed grease

1/Tes

Dynamic Balance Report

68. Rotor Weight and Balance Grade

Rotor Weight Balance Grade

69. Initial Balance Readings

Drive End Opposite Drive End

70. Final Balance Readings

Drive End Opposite Drive End

71. Technician

Mechanical Fits- Rotor - Post Repair

- 72. Shaft Runout Post Repair
- 73. Rotor Runout Post Repair

Drive End Bearing Fit Rotor Body Opposite Drive End Bearing

74. Coupling Fit Closest to Bearing Housing Post Repair

0 Degrees 90 Degrees 120 Degrees

75. Coupling Fit Closest to the end of the Shaft Post Repair

0 Degrees 60 Degrees 120 Degrees

76. Drive End Bearing Shaft Fit Post Repair

0 Degrees 60 Degrees 120 Degrees

77. Opposite Drive End Bearing Shaft Fit Post Repair

0 Degrees 60 Degrees 120 Degrees

78. Shaft Air Seal Fits Post Repair

Drive End Air Seal Opposite Drive End Air Seal

79. Shaft Repair Sign-off

Mechanical Fits- Bearing Housings - Post Repair

80. Drive End - Endbell Bearing Fit Post Repair

0 Degrees 60 Degrees 120 Degrees

81.	Opposite Drive End - Endbell Bearing Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
82.	Bearing Cap Condition Post Repair		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap	
83	End Bell Air Seal Fits Post Repair		
05.	Drive End Air Seal	Opposite Drive End Air Seal	
	Drive Life All Seal	Opposite Drive Life All Seal	
84.	End Bell Repair Sign-off		
Assen	nbly		
85.	QC Check All Parts for Cleanliness Pr	ior to Assembly	
86.	Photograph All Major Components pri	or to assembly	
87.	Final Insulation Resistance Test		
88.	Assembled Shaft Endplay		
89.	Assembled Shaft Runout		
90.	Test Run Voltage		
	Volts	Volts	Volts
01	Test Run Amperage		
91.		Amps	Amps
	Amps	Amps	Amps
92.	Drive End Vibration Readings - Inches	s Per Second	
	Horizontal	Vertical	Axial
93.	Opposite Drive End Vibration Reading	s - Inches Per Second	
	Horizontal	Vertical	Axial
ΩΛ	Ambient Temperature - Fahrenheit		
	Drive End Bearing Temps - Fahrenhei	it	
33.	5 Minutes	10 Minutes	15 Minutes
	o minutes	10 Millutes	10 Millutes
96.	Opposite Drive End Bearing Temps -	Fahrenheit	
	5 Minutes	10 Minutes	15 Minutes
	Document Final Condition with Picture	es after paint	
98.	Final Pics and QC Review		

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