

EVERY DAY SINCE 1946 ——

LR Motor Shop Repairs

Job Number 102909

Prepared for Peco Foods

625 S. Allen Street Batesville AR 72501

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AC Inspection as Found - Shop

AC Inspection - Rev. 2: A1907302030

1.0



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

> FolderID: 102909 FormID: 20332611

AC Inspection as Found

Peco Foods

Location:

625 S. Allen Street Batesville, AR 72501

AC Inspection - Rev. 2

Serial Number: A1907302030

Description: 200HP 444TS BALDOR

Shop

Hi-Speed Job Number:	102909
Manufacturer:	Baldor
Product Number:	EM2562T-4
Spec/ID #:	P44G4413
Serial Number:	A1907302030
HP/kW:	200 (HP)
RPM:	3565 (RPM)
Frame:	444TS
Voltage:	460
Current:	221 (Amps)
Phase:	Three
Hz:	60 (Hz)
Service Factor:	1.15
Enclosure:	DP
# of Leads:	6
J-box Included:	Complete
Coupling/Sheave:	None
Date Received:	05/09/2024
Bearing RTDs:	No
Stator RTDs:	No
Repair Stage:	Final
Rewind:	Yes
Shaft Machined Fit Repairs Required:	No
Bearing Housing Machined Fit Repairs Required:	Yes
Heaters:	No
Winding Type :	Random Wound
Bearing Type:	Rolling Element

Priorities Found: 2 - High

6 - Good

Overall Condition

1. Report Date 05/17/2024

2. Nameplate Picture



3. Photos of all six sides of the machine.



































	4.	Describe the Overall Condition of the <i>Dirty</i>	Equipment as Received		
Ir	Initial Mechanical/Electrical				
	5.	Does Shaft Turn Freely?		(Y) Yes	
	6.	Does the shaft require T.I.R in Lathe t	o 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	
	•	Na			
	10.	Air Gap Variation <10%			
	•	Na			
	11.	Lead Condition		(NA) Not Applicable	
	-	Rewind			
	12.	Lead Length		18 Inches	
	13.	Does it have Lugs?, If so what is the	Stud Size?	(No) No	
	14.	Lead Numbers		T1-T6	
	15.	Frame Condition		pass	
	16.	Fan Condition		(N) NA	
	17.	Broken or Missing Components		na	
Ir	Initial Electrical Inspection				
	18.	Insulation Resistance/Megger		Megohms	
	-	Na			
	19.	Winding Resistance			
		1-2	1-3	2-3	
	-	Na			

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20. Perform Surge Test (NA) Not Applicable



21.	Number of Stator Slots	48
22.	Stator Condition	rewind
23.	Stator Thermistors/Ohms	
-	Na	
24.	Stator Overloads/Ohms	
-	Na	
Mech	anical Inspection	
25.	Drive End Bearing Brand	SKF
26.	Drive End Bearing Number-	6313



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

32. Drive End Bearing Condition

Signs of contamination



33. Opposite Drive End Bearing Brand	SKF
34. Opposite Drive End Bearing Number-	6313



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?	
	Na	
39.	Na Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	wavy washer
39. 40.		wavy washer



Na

42. Opposite Drive End Seal

Na

Rotor Inspection

43.	Rotor Type/Material	(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast

44. Growler Test (Pass) Pass

45. Number of Rotor Bars 40

46. Rotor Condition

Pass

47. List the Parts needed for the Repair Below

6313x2

6313 sleeve for end bell

48. Signature of Technician that Disassembled Motor

w

Cw

Mechanical Fits- Rotor

49	Shaft Runout	0.002 inches

50. Rotor Runout

Drive End Bearing Fit Rotor Body Opposite Drive End Bearing

Na

51. Coupling Fit Closest to Bearing Housing

0 Degrees 90 Degrees 120 Degrees

Na

52. Coupling Fit Closest to the end of the Shaft

0 Degrees 60 Degrees 120 Degrees

Na

	=0	D :			
	53.	Drive End Bearing Shaft Fit			
		0 Degrees	60 Degrees	120 Degrees	
		2.5593	2.5593	2.5593	
		Drive End Bearing Shaft Fit Condition			(P) Pass
	55.	Opposite Drive End Bearing Shaft Fit			
		0 Degrees	60 Degrees	120 Degrees	
		2.5595	2.5596	2.5595	
	56.	Opposite Drive End Bearing Shaft Fit	Condition		(P) Pass
	57.	Shaft Air Seal Fits			
		Drive End Air Seal	Opposite Drive End Air Seal		
	7	Na			
M	echa	anical Fits- Bearing Housings			
	58.	Drive End - Endbell Bearing Fit			
		0 Degrees	60 Degrees	120 Degrees	
		5.5129	5.5129	5.5128	
	59.	Drive End - Endbell Bearing Fit Condi	tion		(P) Pass
	60.	Opposite Drive End - Endbell Bearing	Fit		
		0 Degrees	60 Degrees	120 Degrees	
		5.5142	5.5129	5.513	
	61.	Opposite Drive End - Endbell Bearing	Fit Condition		(F) Fail
	62.	Bearing Cap Condition			
		Drive End Bearing Cap	Opposite Drive End Bearing Cap		
	7	Pass			
	63.	End Bell Air Seal Fits			
		Drive End Air Seal	Opposite Drive End Air Seal		
		Na			
		List Machine Work Needed Below			
	04.	ODE end bell bearing fit			
	65	Technician			Cw
	00.	recimician			OW
			*		
		(fre	1		
	-	Co sign: TR			
R		Cause of Failure			
	66.	Failure locations			
		Winding and ODE end bell bearing fit			
	67.	Root cause of failure			
		Wear and short to ground next to iron			
D	-	nic Balance Report			
	68.	Rotor Weight and Balance Grade			
		Rotor Weight	Balance Grade		

00	1 1 1 5 1 5 1		
69.	Initial Balance Readings		
	Drive End	Opposite Drive End	
70.	Final Balance Readings		
	Drive End	Opposite Drive End	
74	Technician		
Rewin			
72.	Core Test Results - Watts loss per Po		
	Pre-Burnout	Post Burnout	
73	Core Hot Spot Test		
75.	Pre-Burnout	Post-Burnout	
	FIE-Bulliout	FOST-Bulliout	
74.	Post Rewind Electrical Test- Insulation	n Resistance	
75.	Post Rewind Polarization Index		
	Post Rewind Winding Resistance		
	1-2	1-3	2-3
77.	Post Rewind Surge Test		
78.	Post Rewind Hi-Pot		
79.	Technician		
Mecha	anical Fits- Bearing Housings - P	ost Repair	
80.	Drive End - Endbell Bearing Fit Post F	Repair	
	0 Degrees	60 Degrees	120 Degrees
81.	Opposite Drive End - Endbell Bearing		
	0 Degrees	60 Degrees	120 Degrees
00	Paging Can Condition Page Panair		
02.	Bearing Cap Condition Post Repair	One saits Daire Ford Desaits a Con	
	Drive End Bearing Cap	Opposite Drive End Bearing Cap	
83.	End Bell Air Seal Fits Post Repair		
	Drive End Air Seal	Opposite Drive End Air Seal	
84.	End Bell Repair Sign-off		
Asser	nbly		
85.	QC Check All Parts for Cleanliness Pr	rior to Assembly	
86.	Photograph All Major Components pri	or to assembly	
87.	Final Insulation Resistance Test		
88.	Assembled Shaft Endplay		
	Assembled Shaft Runout		
90.	Test Run Voltage		
	Volts	Volts	Volts
91.	Test Run Amperage		
	Amps	Amps	Amps

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92.	Drive End Vibration Readings - Inches	Per Second	
	Horizontal	Vertical	Axial
93.	Opposite Drive End Vibration Reading	s - Inches Per Second	
	Horizontal	Vertical	Axial
94.	Ambient Temperature - Fahrenheit		
95. Drive End Bearing Temps - Fahrenheit			
	5 Minutes	10 Minutes	15 Minutes
96.	Opposite Drive End Bearing Temps - I	Fahrenheit	
	5 Minutes	10 Minutes	15 Minutes
97.	Document Final Condition with Picture	es after paint	
98.	Final Pics and QC Review		



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- 1. APPLICABILITY. The sale of any and all goods and/or services by Mock, Inc. d/b/a Hi-Speed Industrial Service ("Hi-Speed") shall be specifically conditioned upon and subject to the following terms and conditions which are incorporated by reference into any contracts and purchase orders with Hi-Speed, and which shall form and become a part of any agreement related thereto. Buyer's acceptance of any offer or quotation made by Hi-Speed for sale of any goods or services is expressly made subject to the terms and conditions set forth herein and to be so effective, Buyer need not sign or approve these Terms and Conditions to be bound hereunder provided a copy of same is provided to Buyer through any means. None of the terms and conditions contained herein may be added to, expanded, changed, modified, superseded or otherwise altered except as revised in writing and duly executed by Hi-Speed, and all orders received by Hi-Speed shall be governed only by the terms and conditions contained herein, notwithstanding any terms, conditions or provisions of any purchase order, release order, authorization or any other form issued by the Buyer. Hi-Speed hereby objects to any additional, modified, changed, deleted, altered or other terms and conditions not contained herein and notifies Buyer that any such terms or provisions are expressly rejected by Hi-Speed.
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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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- 15. **ASSIGNMENT.** The rights and obligations of the parties shall neither be assigned nor delegated without the prior written consent of the other party. However, any party may assign or delegate its respective rights and obligations, in whole or in part, (i) to any subsidiary, (ii) pursuant to other financing, merger or reorganization or (iii) pursuant to any sale or transfer of substantially all of the assets of the assigning party. These Standard Terms and Conditions shall bind the heirs, successors and assigns of the parties hereto.
- 16. NO INDIVIDUAL LIABILITY. Notwithstanding any other agreement to the contrary, the Buyer agrees that in no event will the Buyer hold and HI-Speed owner, director, officer or employee personally liable for unintentional tortious conduct or conduct that constitutes the breach of any contract between HI-Speed and the Buyer, even if the HI-Speed owner, director, officer or employee is or could be construed to be a party to such contract.