

# EVERY DAY SINCE 1946

LR Motor Shop Repairs

### Job Number 104662

Prepared for WESTERN FOODS LLC

5215 INDUSTRIAL DR,S PINE BLUFF AR 71602

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AC Inspection as Found - MOTOR SHOP LR



## AC Inspection as Found WESTERN FOODS LLC

WESTERN FOODS LLC 5215 INDUSTRIAL DR,S PINE BLUFF, AR 71602 FolderID: 104662 FormID: 24538245

AC Inspection - Rev. 2		Hi-Speed Job Number:	104662
Location:	MOTOR SHOP LR	Manufacturer:	Other
Serial Number:	19827608-1	Product Number:	551484L2P
Description:VACUUM BLOWER-TUTHILL		Serial Number:	19827608-1
		Repair Stage:	Final

#### **Overall Condition**

- 1. Report Date
- 2. Nameplate Picture





3. Photos of all six sides of the machine.





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05/22/2025



































 Describe the Overall Condition of the Equipment as Received Shaft is bent, rotors have knocked and have flat spots on them. Input shaft bearing fell apart. Input bearing housing is bad.
Distance from the end of the shaft to the Coupling/Sheave

6. Is this a UL Listed Motor

7. Is the motor water cooled or can be pressure checked before teardown

#### **Initial Mechanical/Electrical**

0			
8.	Does Shaft Turn Freely?		
9.	Does the shaft require T.I.R in Lathe to identify additional repairs?		
10.	Does Shaft Have Visible Damage?		
	Assembled Shaft Runout		
	Assembled Shaft End Play		
	Air Gap Variation <10%		
	Lead Condition		
	Lead Length		
16.	Does it have Lugs?, If so what is the Lead Numbers	Stud Size?	
	Are the Leads insulated with Chico of	ar other metarial	
19.	Stator Temperature Detector Rating and Function		
	Quantity	Rating	Quantity Passed
20.	Bearing Temperature Detector Ratir	ng and Function	
	Quantity	Rating	Quantity Passed
21.	Frame Condition		
22.	Fan Condition		
23.	Does motor have internal fan?		
24.	Heater Quantity, Ratings		
	Quantity	Volts/Watts	Pass/Fail
25.	Broken or Missing Components		
	Electrical Inspection		
26.	Insulation Resistance/Megger		
26.	Insulation Resistance/Megger Winding Resistance	4.0	
26.	Insulation Resistance/Megger	1-3	2-3
26. 27.	Insulation Resistance/Megger Winding Resistance	1-3	2-3
26. 27. 28.	Insulation Resistance/Megger Winding Resistance 1-2	1-3	2-3
26. 27. 28.	Insulation Resistance/Megger Winding Resistance 1-2 Perform Surge Test Number of Stator Slots	1-3	2-3
26. 27. 28. 29.	Insulation Resistance/Megger Winding Resistance 1-2 Perform Surge Test Number of Stator Slots Stator Condition	1-3	2-3
26. 27. 28. 29. 30. 31.	Insulation Resistance/Megger Winding Resistance 1-2 Perform Surge Test Number of Stator Slots Stator Condition	1-3	2-3
26. 27. 28. 29. 30. 31. 32.	Insulation Resistance/Megger Winding Resistance 1-2 Perform Surge Test Number of Stator Slots Stator Condition Stator Thermistors/Ohms	1-3	2-3
26. 27. 28. 29. 30. 31. 32. <b>Mecha</b>	Insulation Resistance/Megger Winding Resistance 1-2 Perform Surge Test Number of Stator Slots Stator Condition Stator Thermistors/Ohms Stator Overloads/Ohms	1-3	2-3
26. 27. 28. 29. 30. 31. 32. <b>Mecha</b>	Insulation Resistance/Megger Winding Resistance 1-2 Perform Surge Test Number of Stator Slots Stator Condition Stator Thermistors/Ohms Stator Overloads/Ohms anical Inspection Drive End Bearing Brand	1-3	2-3
26. 27. 28. 29. 30. 31. 32. <b>Mecha</b> 33. 33.	Insulation Resistance/Megger Winding Resistance 1-2 Perform Surge Test Number of Stator Slots Stator Condition Stator Thermistors/Ohms Stator Overloads/Ohms Stator Overloads/Ohms anical Inspection Drive End Bearing Brand Drive End Bearing Number- Drive End Bearing Qty.	1-3	2-3
26. 27. 28. 29. 30. 31. 32. <b>Mecha</b> 33. 33.	Insulation Resistance/Megger Winding Resistance 1-2 Perform Surge Test Number of Stator Slots Stator Condition Stator Thermistors/Ohms Stator Overloads/Ohms anical Inspection Drive End Bearing Brand Drive End Bearing Number- Drive End Bearing Qty.	1-3	2-3
26. 27. 28. 29. 30. 31. 32. <b>Mecha</b> 33. 34. 35.	Insulation Resistance/Megger Winding Resistance 1-2 Perform Surge Test Number of Stator Slots Stator Condition Stator Thermistors/Ohms Stator Overloads/Ohms anical Inspection Drive End Bearing Brand Drive End Bearing Number- Drive End Bearing Qty. Drive End Bearing Type Drive End Lubrication Type		2-3
26. 27. 28. 29. 30. 31. 32. <b>Mecha</b> 33. 34. 35. 36.	Insulation Resistance/Megger Winding Resistance 1-2 Perform Surge Test Number of Stator Slots Stator Condition Stator Thermistors/Ohms Stator Overloads/Ohms Stator Overloads/Ohms anical Inspection Drive End Bearing Brand Drive End Bearing Number- Drive End Bearing Qty. Drive End Bearing Type Drive End Lubrication Type Drive End Bearing Insulation or Gro	unding Device?	2-3
26. 27. 28. 29. 30. 31. 32. <b>Mecha</b> 33. 34. 35. 36. 37. 38. 39.	Insulation Resistance/Megger Winding Resistance 1-2 Perform Surge Test Number of Stator Slots Stator Condition Stator Thermistors/Ohms Stator Overloads/Ohms anical Inspection Drive End Bearing Brand Drive End Bearing Rumber- Drive End Bearing Qty. Drive End Bearing Type Drive End Bearing Type Drive End Bearing Insulation or Gro Drive End Bearing Insulation or Gro	unding Device?	2-3
26. 27. 28. 29. 30. 31. 32. <b>Mecha</b> 33. 34. 35. 36. 37. 38. 39. 40.	Insulation Resistance/Megger Winding Resistance 1-2 Perform Surge Test Number of Stator Slots Stator Condition Stator Thermistors/Ohms Stator Overloads/Ohms anical Inspection Drive End Bearing Brand Drive End Bearing Number- Drive End Bearing Qty. Drive End Bearing Type Drive End Bearing Type Drive End Bearing Insulation or Gro Drive End Bearing Insulation or Gro Drive End Wavy Washer/Snap-Ring Drive End Bearing Condition	unding Device?	2-3
26. 27. 28. 29. 30. 31. 32. <b>Mecha</b> 33. 34. 35. 36. 37. 38. 39. 40. 41.	Insulation Resistance/Megger Winding Resistance 1-2 Perform Surge Test Number of Stator Slots Stator Condition Stator Thermistors/Ohms Stator Overloads/Ohms anical Inspection Drive End Bearing Brand Drive End Bearing Number- Drive End Bearing Qty. Drive End Bearing Type Drive End Bearing Type Drive End Bearing Insulation or Gro Drive End Bearing Insulation or Gro Drive End Bearing Condition Drive End Bearing Condition	unding Device? Other Retention Device?	2-3
26. 27. 28. 29. 30. 31. 32. <b>Mecha</b> 33. 34. 35. 36. 37. 38. 39. 40. 41.	Insulation Resistance/Megger Winding Resistance 1-2 Perform Surge Test Number of Stator Slots Stator Condition Stator Thermistors/Ohms Stator Overloads/Ohms anical Inspection Drive End Bearing Brand Drive End Bearing Qty. Drive End Bearing Qty. Drive End Bearing Type Drive End Bearing Type Drive End Bearing Insulation or Gro Drive End Bearing Insulation or Gro Drive End Bearing Condition Drive End Bearing Condition	unding Device? Other Retention Device?	2-3
26. 27. 28. 29. 30. 31. 32. <b>Mecha</b> 33. 34. 35. 36. 37. 38. 39. 40. 41. 42.	Insulation Resistance/Megger Winding Resistance 1-2 Perform Surge Test Number of Stator Slots Stator Condition Stator Thermistors/Ohms Stator Overloads/Ohms anical Inspection Drive End Bearing Brand Drive End Bearing Number- Drive End Bearing Qty. Drive End Bearing Type Drive End Bearing Type Drive End Bearing Insulation or Gro Drive End Bearing Insulation or Gro Drive End Bearing Condition Opposite Drive End Bearing Brand Opposite Drive End Bearing Number	unding Device? Other Retention Device?	2-3
26. 27. 28. 29. 30. 31. 32. <b>Mecha</b> 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43.	Insulation Resistance/Megger Winding Resistance 1-2 Perform Surge Test Number of Stator Slots Stator Condition Stator Thermistors/Ohms Stator Overloads/Ohms anical Inspection Drive End Bearing Brand Drive End Bearing Number- Drive End Bearing Qty. Drive End Bearing Type Drive End Bearing Type Drive End Bearing Insulation or Gro Drive End Bearing Insulation or Gro Drive End Bearing Condition Opposite Drive End Bearing Brand Opposite Drive End Bearing Number	unding Device? Other Retention Device? r-	2-3

46.	Opposite Drive End Bearing Insulation or Grounding Device?			
47.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?			
48.	Opposite Drive End Bearing Condition	1		
49.	Drive End Seal			
50.	Opposite Drive End Seal			
51.	DE Sleeve Bearing Inside Diameter			
	0 degrees	120 degrees	240 degrees	
52.	DE Sleeve Bearing Outside Diameter			
	0 degrees	120 degrees	240 degrees	
53.	DE Sleeve Bearing Housing Inside Di			
	0 degrees	120 degrees	240 degrees	
E 4	DE Sleeve Bearing to Housing Cleara			
54.	· ·		240 degrees	
	0 degrees	120 degrees	240 degrees	
55.	ODE Sleeve Bearing Inside Diameter			
	0 degrees	120 degrees	240 degrees	
56.	6. ODE Sleeve Bearing Outside Diameter			
	0 degrees	120 degrees	240 degrees	
57.	ODE Sleeve Bearing Housing Inside I			
	0 degrees	120 degrees	240 degrees	
58	3. ODE Sleeve Bearing to Housing Clearance			
00.	0 degrees	120 degrees	240 degrees	
	o degrees	120 degrees	240 0091000	
Rotor	or Inspection			
59.	Rotor Type/Material			
60.	Growler Test			
61.	Number of Rotor Bars			
62.	Rotor Condition			
63.	List the Parts needed for the Repair Below			
64.	Signature of Technician that Disassembled Motor Trevor Hall			
	1 1.			
-				
Mecha	anical Fits- Rotor			
65.	Shaft Runout			
66.	Rotor Runout			
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing	
	Ĵ,	-		
67.	7. Coupling Fit Closest to Bearing Housing			
	0 Degrees	90 Degrees	120 Degrees	

68.	Coupling Fit Closest to the end of the	Shaft		
	0 Degrees	60 Degrees	120 Degrees	
69.	Drive End Bearing Shaft Fit			
	0 Degrees	60 Degrees	120 Degrees	
70				
	Drive End Bearing Shaft Fit Condition			
71.	Opposite Drive End Bearing Shaft Fit		100 5	
	0 Degrees	60 Degrees	120 Degrees	
72.	Opposite Drive End Bearing Shaft Fit	Condition		
	Shaft Air Seal Fits	Condition		
10.	Drive End Air Seal	Opposite Drive End Air Seal		
Mecha	anical Fits- Bearing Housings			
	Drive End - Endbell Bearing Fit			
	0 Degrees	60 Degrees	120 Degrees	
75.	. Drive End - Endbell Bearing Fit Condition			
76.	Opposite Drive End - Endbell Bearing	Fit		
	0 Degrees	60 Degrees	120 Degrees	
77	Opposite Drive End Endboll Rearing	Fit Condition		
	Opposite Drive End - Endbell Bearing Fit Condition Bearing Cap Condition			
70.	Drive End Bearing Cap	Opposite Drive End Bearing Cap		
	Drive Lind Bearing Cap	Opposite Drive Lind Bearing Cap		
79.	End Bell Air Seal Fits			
	Drive End Air Seal	Opposite Drive End Air Seal		
80.	List Machine Work Needed Below			
81.	Technician			
Root	Cause of Failure			
_	Failure locations			
83.	Root cause of failure			
Dynar	namic Balance Report			
84.	Rotor Weight and Balance Grade			
	Rotor Weight	Balance Grade		
05	Initial Delenes, Deedise			
85.	Initial Balance Readings			
	Drive End	Opposite Drive End		
86.	Final Balance Readings			
201	Drive End	Opposite Drive End		
87.	Technician			
Rewir	nd			
88.	Core Test Results - Watts loss per Po	bund		
	Pre-Burnout	Post Burnout		

89.	Core Hot Spot Test		
	Pre-Burnout	Post-Burnout	
	Post Rewind Electrical Test- Insulatio Post Rewind Polarization Index	n Resistance	
92.	Post Rewind Winding Resistance	4.0	0.0
	1-2	1-3	2-3
93.	Post Rewind Surge Test		
	Post Rewind Hi-Pot		
95.	Technician		
Mecha	anical Fits- Rotor - Post Repair		
96.	Shaft Runout Post Repair		
97.	Rotor Runout Post Repair		
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing
98.	Coupling Fit Closest to Bearing Housi	ng Post Repair	
	0 Degrees	90 Degrees	120 Degrees
	5	C	5
99.	Coupling Fit Closest to the end of the	Shaft Post Repair	
	0 Degrees	60 Degrees	120 Degrees
100	Drive End Bearing Shaft Fit Post Rep	oir	
100.	0 Degrees		120 Degrees
	0 Degrees	60 Degrees	120 Degrees
101.	. Opposite Drive End Bearing Shaft Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
102.	Shaft Air Seal Fits Post Repair		
	Drive End Air Seal	Opposite Drive End Air Seal	
103.	Shaft Repair Sign-off		
Mecha	nanical Fits- Bearing Housings - Post Repair		
104.	Drive End - Endbell Bearing Fit Post F	Repair	
	0 Degrees	60 Degrees	120 Degrees
105			
105.	Opposite Drive End - Endbell Bearing	·	100 D
	0 Degrees	60 Degrees	120 Degrees
106.	Bearing Cap Condition Post Repair		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap	
107.	End Bell Air Seal Fits Post Repair		
	Drive End Air Seal	Opposite Drive End Air Seal	
108.	DE Sleeve Bearing Inside ID Post Re	pair	
	Measure 1	Measure 2	Measure 3

109.	DE Sleeve Bearing Outside ID Post R	epair		
	Measure 1	Measure 2	Measure 3	
110.	10. DE Sleeve Bearing Inside OD Post Repair			
	Measure 1	Measure 2	Measure 3	
111.	DE Sleeve Bearing Outside OD Post	•		
	Measure 1	Measure 2	Measure 3	
112	End Bell Repair Sign-off			
	ODE Sleeve Bearing Inside ID Post R	enair		
113.	Measure 1	Measure 2	Measure 3	
	Measure	Measure 2	Measure 5	
114.	ODE Sleeve Bearing Outside ID Post	Repair		
	Measure 1	Measure 2	Measure 3	
115.	ODE Sleeve Bearing Inside OD Post	Repair		
	Measure 1	Measure 2	Measure 3	
116.	ODE Sleeve Bearing Outside OD Pos	•		
	Measure 1	Measure 2	Measure 3	
Accor	nhly			
Assen	QC Check All Parts for Cleanliness Pi	ior to Accomply		
		•		
	Photograph All Major Components prior to assembly Final Insulation Resistance Test			
	Assembled Shaft Endplay			
	Assembled Shaft Runout			
	Test Run Voltage			
	Volts	Volts	Volts	
123.	Test Run Amperage			
	Amps	Amps	Amps	
124.	Drive End Vibration Readings - Inches			
	Horizontal	Vertical	Axial	
405		re Jackso Der Coccad		
125.	Opposite Drive End Vibration Reading		Avial	
	Horizontal	Vertical	Axial	
126.	Ambient Temperature - Fahrenheit			
	Drive End Bearing Temps - Fahrenhe	it		
	5 Minutes	10 Minutes	15 Minutes	
128.	Drive End Bearing Temps - Fahrenhe	it 20-30 Minutes		
	20 Minutes	25 Minutes	30 Minutes	

129.	Drive End Bearing Temps - Fahrenhe	t 35-45 Minutes	
	35 Minutes	40 Minutes	45 Minutes
130.	Drive End Bearing Temps - Fahrenhe		
	50 Minutes	55 Minutes	60 Minutes
404		Esta a sta	
131.	Opposite Drive End Bearing Temps -		
	5 Minutes	10 Minutes	15 Minutes
132.	Opposite Drive End Bearing Temps -	Fahrenheit 20-30 Minutes	
	20 Minutes	25 Minutes	30 Minutes
	20 10110000	20 10000	
133.	Opposite Drive End Bearing Temps -	Fahrenheit 35-45 Minutes	
	35 Minutes	40 Minutes	45 Minutes
134.	Opposite Drive End Bearing Temps -		
	50 Minutes	55 Minutes	60 Minutes
405	Otatas Tamagaturas Eshrarbait		
135.	Stator Temperatures- Fahrenheit		
	5 Minutes	10 Minutes	15 Minutes
136.	Stator Temperatures- Fahrenheit 20-3	0 Minutes	
	20 Minutes	25 Minutes	30 Minutes
137.	Stator Temperatures- Fahrenheit 35-4	5 Minutes	
	35 Minutes	40 Minutes	45 Minutes
138.	Stator Temperatures- Fahrenheit 50-6		
	50 Minutes	55 Minutes	60 Minutes
400			
	Document Final Condition with Picture	es after paint	
140.	Final Pics and QC Review		



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- 1. <u>APPLICABILITY.</u> 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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- 11. <u>GOVERNING LAW AND JURISDICTION.</u> Any controversy arising out of any quotation, the purchase order, the goods sold or delivered, repair or replacement thereof, or any services provided pursuant to any quotation or any purchase order, or these Standard Terms and Conditions shall be governed by the laws of the state of Tennessee without regard to any choice of law provisions and any cause of action related in any manner thereto shall be brought only in the state or federal courts of Shelby County, Tennessee.
- 12. <u>ABANDONED EQUIPMENT.</u> Hi-Speed requires that Buyer promptly pick up or provide shipment instructions for Buyer equipment or other Buyer property in Hi-Speed's possession. If equipment or other Buyer property is left with Hi-Speed and not picked up within six (6) months after Hi-Speed's final action related to the applicable property (e.g. evaluation, teardown, estimate, completion of services), Hi-Speed will consider such property abandoned and may dispose of it in accordance with applicable law. Buyer agrees to hold Hi-Speed harmless for any damage or claim for such abandoned property and acknowledges that Hi-Speed may discard or recycle it at Hi-Speed's sole and absolute discretion. Specifically, Hi-Speed may sell Buyer's abandoned property at a private or public sale and retain the proceeds to offset Hi-Speed's storage, inspection and servicing costs. For the avoidance of doubt, Hi-Speed reserves its statutory and other lawful liens for unpaid charges related to abandoned property.
- 13. FORCE MAJEURE. Neither party shall be responsible for any delay or failure in performance of any party of the quotation, purchase order or these Standard Terms and Conditions to the extent that such delays or failures are caused by fire, flood, earth quake, explosion, war, embargo, government requirement, civil or military authority, acts of God, or any other circumstances beyond its reasonable control and not involving any fault or negligence on the party affected ("Condition"). If any such Condition occurs, the party delayed or unable to perform shall promptly give written notice to the other party and, if such Condition remains at the end of thirty (30) days, the party affected by the other party's delay and inability to perform may elect to (i) terminate such order or part thereof, or (ii) suspend the order for the duration of the Condition, if the Buyer is the suspending party, buy elsewhere comparable material to be sold under the order and apply to any commitment the purchase price of such purchase, and resume performance of the order once the Condition ceases, with an option in the affected party to extend the period of this order up to the length of the time the Condition endures.
- 14. <u>NONWAIVER</u>. No course of dealing or failure of either party to strictly enforce any term, right, or condition of these Standard Terms and Conditions will be construed as a waiver of such term, right or condition. Any waiver by Hi-Speed will only be in writing and will waive no succeeding breach of a term, right or condition.
- 15. <u>ASSIGNMENT.</u> 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. <u>NO INDIVIDUAL LIABILITY</u>. 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.