



AC Inspection as Found JA Riggs Tractor Company (10438) 9125 Interstate 30

Little Rock, AR 72209

FolderID: 102921 FormID: 20368598

AC Inspection - Rev. 2

LR MOTORSHOP Location: Serial Number: M2091560 Y 01

Description:15KW FUJI

Hi-Speed Job Number:	102921
Manufacturer:	Other
Product Number:	MRA 2167 A
Serial Number:	M2091560 Y 01
HP/kW:	15 (kW)
RPM:	1760 (RPM)
Frame:	160L
Voltage:	230 / 460
Current:	19/24: (Amps)
Phase:	Three
Hz:	60 (Hz)
Service Factor:	1.15
Enclosure:	TEFC
# of Leads:	12
J-box Included:	Complete
Coupling/Sheave:	6309Z
Date Received:	05/13/2024
Bearing RTDs:	No
Stator RTDs:	No
Repair Stage:	Final
Rewind:	Yes
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: 3 - High





11 - Good

Overall Condition

0

Report Date



3. Photos of all six sides of the machine.



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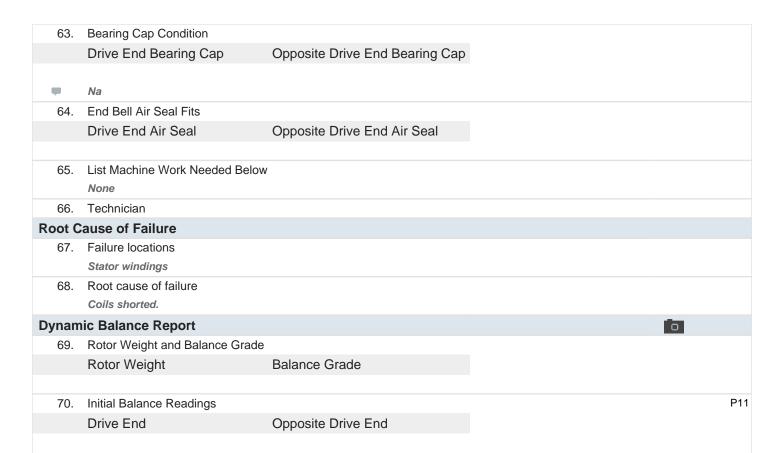
4. Describe the Overall Condition of the Equipment as Received Serviceable

	5.	Distance from the end of the shaft to the Coupling/Sheave	inches
In	itial I	Mechanical/Electrical	
	6.	Does Shaft Turn Freely?	(Y) Yes
	7.	Does the shaft require T.I.R in Lathe to identify additional repairs?	(No) No
	8.	Does Shaft Have Visible Damage?	(No) No
	9.	Assembled Shaft Runout	0.001 Inches
	10.	Assembled Shaft End Play	0 inches
	11.	Air Gap Variation <10%	
		Na	

1 2.	Lead Condition	(P) Pass	
13.	Lead Length	60 Inches	
13.14.	Does it have Lugs?, If so what is the Stud Size?	(Yes) Yes	
15.	Lead Numbers	12	
16.	Frame Condition	12	
17.	Fan Condition	(N) NA	
18.	Broken or Missing Components	(N) NA	
	N/a		
,	Electrical Inspection		
19.	Insulation Resistance/Megger	0 Megohms	
13.	Copper ball at bottom stat or	o wegonins	
20.	Winding Resistance		
20.	1-2 1-3	2-3	
	1-2	2-3	
	Na		
21.	Perform Surge Test	(NA) Not Applicable	
22.	Number of Stator Slots	(NA) Not Applicable	
22.23.	Stator Condition	40	
2 3.	Rewind		
24.	Stator Thermistors/Ohms		
24.	N/a		
25.		n/a	
	anical Inspection	II/a	
26.	Drive End Bearing Brand	309zz nsk	
27.	Drive End Bearing Number-	309zz	
28.	Drive End Bearing Rumber-	1	
29.	Drive End Bearing Type	(Ball) Ball Bearing	
30.	Drive End Lubrication Type	(Grease) Grease Lubricated	
31.	Drive End Bearing Insulation or Grounding Device?	(Orease) Orease Eubricated	
• • • • • • • • • • • • • • • • • • • •	N/a		
32.	Drive End Wavy Washer/Snap-Ring Other Retention Device?	none	
33.	Drive End Bearing Condition	replace	
34.	Opposite Drive End Bearing Brand	snk	
35.	Opposite Drive End Bearing Number-	6308	
36.	Opposite Drive End Bearing Qty.	1	
37.	Opposite Drive End Bearing Type	(Ball) Ball Bearing	
38.	Opposite Drive End Lubrication Type	(Grease) Grease Lubricated	
39.	Opposite Drive End Bearing Insulation or Grounding Device?	(5.555) 5.5500 200.0000	
-	N/a		
40.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device	? wavy washer	
41.	Opposite Drive End Bearing Condition	contamination	
42.	Drive End Seal	n/a	
43.	Opposite Drive End Seal	n/a	
	Inspection		
44.		(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast	
45.	Growler Test	(Pass) Pass	
46.	Number of Rotor Bars	40	
		• •	

47.	Rotor Condition		good	
48.	List the Parts needed for the Rep	air Below		
	Rewind, bearings.			
49.	Signature of Technician that Disa	ssembled Motor	RHR	
Mecha	nical Fits- Rotor			
50.	Shaft Runout		0.001 inches	
51.	Rotor Runout			
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing	
-	Na			
52.	Coupling Fit Closest to Bearing H			
	0 Degrees	90 Degrees	120 Degrees	
-	N/a			
53.	Coupling Fit Closest to the end of	the Shaft		
	0 Degrees	60 Degrees	120 Degrees	
	N/a			
54.	Drive End Bearing Shaft Fit			
	0 Degrees	60 Degrees	120 Degrees	
	1.7721	1.7721	1.7722	
55.	Drive End Bearing Shaft Fit Cond	lition	(P) Pass	
56.	Opposite Drive End Bearing Shaf	t Fit		
	0 Degrees	60 Degrees	120 Degrees	
	1.5752	1.5752	1.5751	
57.	Opposite Drive End Bearing Shaf	t Fit Condition	(P) Pass	
58.	Shaft Air Seal Fits			
	Drive End Air Seal	Opposite Drive End Air Seal		
-	N/a			

Mechanical Fits- Bearing Housings 59. Drive End - Endbell Bearing Fit 120 Degrees 0 Degrees 60 Degrees 3.9375 3.9373 3.9375 60. Drive End - Endbell Bearing Fit Condition (P) Pass 61. Opposite Drive End - Endbell Bearing Fit 0 Degrees 120 Degrees 60 Degrees 3.5435 3.5436 3.5435 Opposite Drive End - Endbell Bearing Fit Condition (P) Pass





Drive End

Opposite Drive End



72. Technician Terrence Holland

Rewind

73. Core Test Results - Watts loss per Pound

Pre-Burnout Post Burnout

74. Core Hot Spot Test

Pre-Burnout Post-Burnout

- 75. Post Rewind Electrical Test- Insulation Resistance Megohms
- 76. Post Rewind Polarization Index
- 77. Post Rewind Winding Resistance

1-2 1-3 2-3

- 78. Post Rewind Surge Test
- 79. Post Rewind Hi-Pot
- 80. Technician

Assembly

31. QC Check All Parts for Cleanliness Prior to Assembly

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82. Photograph All Major Components prior to assembly

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83.	Final Insulation Resistance Test		1.2 Gigoh	ms
84.	Assembled Shaft Endplay		0 incl	nes
85.	Assembled Shaft Runout		0.001 incl	nes
86.	Test Run Voltage			P56
	Volts	Volts	Volts	
	458	458	460	
-	Witness: C. Wiley			



87.	Test Run Amperage		
	Amps	Amps	Amps
	8.30000000000001	8.30000000000001	8.4
88.	Drive End Vibration Readings - In	ches Per Second	
	Horizontal	Vertical	Axial
	0.03	0.01	0.03
89.	Opposite Drive End Vibration Rea	adings - Inches Per Second	
	Horizontal	Vertical	Axial
	0.01	0.04	0.03
90.). Ambient Temperature - Fahrenheit		
91.	Drive End Bearing Temps - Fahrenheit		
91.	Drive End Bearing Temps - Fahre	enheit	
91.	Drive End Bearing Temps - Fahre 5 Minutes	enheit 10 Minutes	15 Minutes
91.			15 Minutes
92.		10 Minutes	15 Minutes
	5 Minutes	10 Minutes	15 Minutes 15 Minutes



94. Final Pics and QC Review

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Witness: D. Maclin





