

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

> FolderID: 99356 FormID: 12771285

AC Recondition Repair Report

ARKANSAS INDUSTRIAL MACHINERY

3804 N. NONA ST NORTH LITTLE ROCK, AR 72118

Priorities Found: **2 - High**

14 - Good

Genera	General		
1.	Job Number	99356	
2.	Report Date	02/07/2022	
3.	Customer	Arkansas Industrial Machinery	
Name	Name Plate Information		O

Siemens P5 Manufacturer









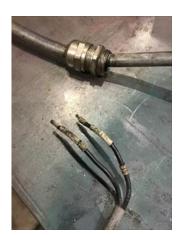








































5. Model 1LG6 258-4AA99-Z 250M 6. Serial Number 1622-4608-80 7. Horsepower 140 8. KW 9. Volts 400 10. Amps 194 11. RPM 2510 12. Frame 250M 13. Enclosure TEFC 14. Cycles 84.3 15. Phase 3 16. Service Factor 17. Motor Mount Position Initial Inspection				
7. Horsepower 140 8. KW 9. Volts 400 10. Amps 194 11. RPM 2510 12. Frame 250M 13. Enclosure TEFC 14. Cycles 84.3 15. Phase 3 16. Service Factor Test Continue 17. Motor Mount Position Test Continue 18. Number of Leads 6 19. Lead Length Test Continue 20. Lead Size Test Continue 21. Lead Condition (P) Pass 22. Lead Markings #1-6 23. Lug Size, Condition, and Type #1-6 24. Winding RTD's Test Continue 25. Winding Rtd's Condition 0.001 27. Does Shaft Turn Freely yes 28. Does Shaft Have Visible Damage no 29. Bearing Rtd's Test Contantion<	5.		1LG6 258-4AA99-Z 250M	
8. KW 9. Volts 400 10. Amps 194 11. RPM 2510 12. Frame 250M 13. Enclosure TEFC 14. Cycles 84.3 15. Phase 3 16. Service Factor **** Initial Inspection** Initial Inspection** Initial Lead Length 6 19. Lead Length 6 20. Lead Size **** Lead Condition (P) Pass 21. Lead Condition (P) Pass 22. Lead Markings #1-6 23. Lug Size, Condition, and Type **** Winding RTD's 24. Winding Rtd's Condition 0.001 25. Winding Rtd's Condition 0.001 27. Does Shaft Turn Freely yes 28. Does Shaft Turn Freely yes 29. Bearing Rtd's no 29. Bearing Rtd's Bearing Rtd's Condition 30. Contamination Contamination	6.	Serial Number	1622-4608-80	
9. Volts 400 10. Amps 194 11. RPM 2510 12. Frame 250M 13. Enclosure TEFC 14. Cycles 84.3 15. Phase 3 16. Service Factor ************************************	7.	Horsepower	140	
10. Amps 194 11. RPM 2510 12. Frame 250M 13. Enclosure TEFC 14. Cycles 84.3 15. Phase 3 16. Service Factor Intital Inspection 17. Motor Mount Position Intital Inspection 18. Number of Leads 6 19. Lead Length Cead Size 21. Lead Condition (P) Pass 22. Lead Markings #1-6 23. Lug Size, Condition, and Type 24. Winding RTD's Expendition 25. Winding Rtd's Condition 0.001 27. Does Shaft Run Out 0.001 28. Does Shaft Have Visible Damage no 29. Bearing Rtd's 30. Bearing Rtd's 31. Contamination	8.	KW		
11. RPM 2510 12. Frame 250M 13. Enclosure TEFC 14. Cycles 84.3 15. Phase 3 16. Service Factor Intial Inspection 18. Number of Leads 6 19. Lead Length 20. Lead Size 21. Lead Condition (P) Pass 22. Lead Markings #1-6 23. Lug Size, Condition, and Type #1-6 24. Winding RTD's #1-6 25. Winding Rtd's Condition 0.001 27. Does Shaft Run Out 0.001 27. Does Shaft Have Visible Damage no 29. Bearing Rtd's no 30. Bearing Rtd's Condition Contamination	9.	Volts	400	
12. Frame 250M 13. Enclosure TEFC 14. Cycles 84.3 15. Phase 3 16. Service Factor 17. Motor Mount Position Initial Inspection 18. Number of Leads 6 19. Lead Length 20. Lead Size 21. Lead Condition (P) Pass 22. Lead Markings #1-6 23. Lug Size, Condition, and Type 24. Winding RTD's 25. Winding Rtd's Condition 25. Winding Rtd's Condition 26. Shaft Run Out 0.001 27. Does Shaft Turn Freely yes 28. Does Shaft Have Visible Damage no 29. Bearing Rtd's 30. Bearing Rtd's Condition 30. Bearing Rtd's Condition 31. Contamination	10.	Amps	194	
13. Enclosure TEFC 14. Cycles 84.3 15. Phase 3 16. Service Factor	11.	RPM	2510	
14. Cycles 84.3 15. Phase 3 16. Service Factor Intital Inspection 17. Motor Mount Position Initial Inspection Initial Lead Length 18. Number of Leads 6 19. Lead Length 20. Lead Size 21. Lead Condition (P) Pass 22. Lead Markings #1-6 23. Lug Size, Condition, and Type 24. Winding RTD's 25. Winding Rtd's Condition 26. Shaft Run Out 0.001 27. Does Shaft Turn Freely yes 28. Does Shaft Have Visible Damage no 29. Bearing Rtd's 30. Bearing Rtd's Condition 31. Contamination	12.	Frame	250M	
15. Phase 3 16. Service Factor Initial Inspection 17. Motor Mount Position Initial Inspection 18. Number of Leads 18. Number of Leads 6 19. Lead Length 20. Lead Size 19. Lead Condition (P) Pass 22. Lead Markings #1-6 23. Lug Size, Condition, and Type 24. Winding RTD's 25. Winding Rtd's Condition 25. Winding Rtd's Condition 26. Shaft Run Out 0.001 27. Does Shaft Turn Freely yes 28. Does Shaft Have Visible Damage no 29. Bearing Rtd's 30. Bearing Rtd's Condition 31. Contamination	13.	Enclosure	TEFC	
16. Service Factor 17. Motor Mount Position Initial Inspection 18. Number of Leads 6 19. Lead Length 20. Lead Size 21. Lead Condition 22. Lead Markings 22. Lead Markings 23. Lug Size, Condition, and Type 24. Winding RTD's 25. Winding RTD's 26. Shaft Run Out 27. Does Shaft Turn Freely 28. Does Shaft Turn Freely 29. Bearing Rtd's 30. Bearing Rtd's 30. Bearing Rtd's Condition 31. Contamination	14.	Cycles	84.3	
Initial Inspection 18. Number of Leads 6 19. Lead Length 20. Lead Size 21. Lead Condition (P) Pass 22. Lead Markings 41-6 23. Lug Size, Condition, and Type 24. Winding RTD's 25. Winding Rtd's Condition 26. Shaft Run Out 27. Does Shaft Turn Freely 28. Does Shaft Have Visible Damage 29. Bearing Rtd's 30. Bearing Rtd's Condition 31. Contamination	15.	Phase	3	
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19. Lead Length 20. Lead Size 21. Lead Condition (P) Pass 22. Lead Markings #1-6 23. Lug Size, Condition, and Type 24. Winding RTD's 25. Winding Rtd's Condition 26. Shaft Run Out 0.001 27. Does Shaft Turn Freely yes 28. Does Shaft Have Visible Damage no 29. Bearing Rtd's 30. Bearing Rtd's Condition 31. Contamination	Initial	Inspection		Ō
20. Lead Size 21. Lead Condition (P) Pass 22. Lead Markings #1-6 23. Lug Size, Condition, and Type 24. Winding RTD's 25. Winding Rtd's Condition 26. Shaft Run Out 0.001 27. Does Shaft Turn Freely yes 28. Does Shaft Have Visible Damage no 29. Bearing Rtd's 30. Bearing Rtd's Condition 31. Contamination	18.	Number of Leads	6	
21. Lead Condition (P) Pass 22. Lead Markings #1-6 23. Lug Size, Condition, and Type 24. Winding RTD's 25. Winding Rtd's Condition 26. Shaft Run Out 0.001 27. Does Shaft Turn Freely yes 28. Does Shaft Have Visible Damage no 29. Bearing Rtd's 30. Bearing Rtd's Condition 31. Contamination	19.	Lead Length		
22. Lead Markings #1-6 23. Lug Size, Condition, and Type 24. Winding RTD's 25. Winding Rtd's Condition 26. Shaft Run Out 0.001 27. Does Shaft Turn Freely yes 28. Does Shaft Have Visible Damage no 29. Bearing Rtd's 30. Bearing Rtd's Condition 31. Contamination	20.	Lead Size		
23. Lug Size, Condition, and Type 24. Winding RTD's 25. Winding Rtd's Condition 26. Shaft Run Out 27. Does Shaft Turn Freely 28. Does Shaft Have Visible Damage 29. Bearing Rtd's 30. Bearing Rtd's Condition 31. Contamination	21.	Lead Condition	(P) Pass	
 24. Winding RTD's 25. Winding Rtd's Condition 26. Shaft Run Out 27. Does Shaft Turn Freely 28. Does Shaft Have Visible Damage 29. Bearing Rtd's 30. Bearing Rtd's Condition 31. Contamination 	22.	Lead Markings	#1-6	
25. Winding Rtd's Condition 26. Shaft Run Out 27. Does Shaft Turn Freely 28. Does Shaft Have Visible Damage 29. Bearing Rtd's 30. Bearing Rtd's Condition 31. Contamination	23.	Lug Size, Condition, and Type		
 26. Shaft Run Out 27. Does Shaft Turn Freely 28. Does Shaft Have Visible Damage 29. Bearing Rtd's 30. Bearing Rtd's Condition 31. Contamination 0.001 yes no shaft Run Out yes no contamination 	24.	Winding RTD's		
 27. Does Shaft Turn Freely 28. Does Shaft Have Visible Damage 29. Bearing Rtd's 30. Bearing Rtd's Condition 31. Contamination yes no so so<td>25.</td><td>Winding Rtd's Condition</td><td></td><td></td>	25.	Winding Rtd's Condition		
 28. Does Shaft Have Visible Damage 29. Bearing Rtd's 30. Bearing Rtd's Condition 31. Contamination 	26.	Shaft Run Out	0.001	
29. Bearing Rtd's30. Bearing Rtd's Condition31. Contamination	27.	Does Shaft Turn Freely	yes	
30. Bearing Rtd's Condition 31. Contamination	28.	Does Shaft Have Visible Damage	no	
31. Contamination	29.	Bearing Rtd's		
	30.	Bearing Rtd's Condition		
32. Frame Condition (P) Pass	31.	Contamination		
	32.	Frame Condition	(P) Pass	

Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.









34. Broken or missing components Fan blade lock tabs broken.

Initial Electric Test 35. Resistance to Ground 36. Winding Resistance 1-2 37. Winding Resistance 2-3 38. Winding Resistance 1-3 39. Resistive Imbalance 40. Hi-Pot

41. Surge Test (P) Pass P58



42. Stator Condition pass

43. Failure Location seal failure

Initial Rotor Inspection

44. Rotor Type P4



		•		
	46.	Number of Rotor Bars		
	47.	Number of Broken Rotor Bars	0	
	48.	Growler Test		
	49.	Rotor Condition	(P) Pass	
N	lecha	nical Inspection		O
	50.	Bearing Manufacture	Skf	
	51.	Bearing DE Size		
	52.	Bearing DE Type	NU 215	
	53.	DE Bearing Qty.	1	
	54.	Bearing ODE Size	6215 2Z/C3	
	55.	Bearing ODE Type	regular ball bearing	
	56.	ODE Bearing Qty.	1	
	57.	Insulated Bearing	no	
	58.	Lubrication Type	grease/oil	
	59.	Grease Condition	(F) Fail	
	60.	Bearing Retainers	(Y) Yes	P80





61.	Shaft Grounding Device	(NA) Not Applicable
62.	DE Seal	(Y) Yes
-	Replacement seal provided by customer	
63.	DE Seal Type/Size	
64.	ODE Seal	

65.	ODE Seal Type/Size		
Root C	Root Cause of Failure		
66.	Component Failure	d.e. seal	
67.	Cause of Failure		
	Wear		
68.	Comments		
68.	Comments Stator windings check good.		
		Terrence. Holland	

Tenna Holland

M	achir	e Fit Inspection Report	
	70.	Shaft Run Out	(P) Pass
	71.	Initial Shaft Run Out	11
	72.	Final Shaft Run Out	
	73.	DE Bearing Shaft Fit	(P) Pass
	74.	DE Initial Shaft Bearing Fit Size 1	2.9534 "
	75.	DE Initial Shaft Bearing Fit Size 2	2.9534 "
	76.	DE Initial Shaft Bearing Fit Size 3	2.9534 "
	77.	DE Finial Shaft Bearing Fit Size 1	
	78.	DE Finial Shaft Bearing Fit Size 2	
	79.	DE Finial Shaft Bearing Fit Size 3	
	80.	ODE Bearing Shaft Fit	(P) Pass
	81.	ODE Initial Shaft Bearing Fit Size 1	2.9536 "
	82.	ODE Initial Shaft Bearing Fit Size 2	2.9536 "
	83.	ODE Initial Shaft Bearing Fit Size 3	2.9536 "
	84.	ODE Finial Shaft Bearing Fit Size 1	
	85.	ODE Finial Shaft Bearing Fit Size 2	
	86.	ODE Finial Shaft Bearing Fit Size 3	
	87.	DE Air Seal Shaft Fit	
	88.	DE Initial Air Seal Shaft Size	
	89.	DE Final Air Seal Shaft Size	
	90.	ODE Air Seal Shaft Fit	
	91.	ODE Initial Air Seal Shaft Size	
	92.	ODE Final Air Seal Shaft Size	
	93.	DE Endbell Fit	(P) Pass
	94.	DE Initial Endbell Fit Size 1	5.1184 "
	95.	DE Initial Endbell Fit Size 2	5.1183 "
	96.	DE Initial Endbell Fit Size 3	5.1184 "
	97.	DE Final Endbell Fit Size 1	
	98.	DE Finial Endbell Fit Size 2	
	99.	DE Final Endbell Fit Size 3	
	100.	DE Endbell Fit Insulated	(NA) Not Applicable
	101.	DE Endbell Air Seal Fit	
	102.	Initial Endbell Air Seal Fit Size	
	103.	Finial Endbell Air Seal Fit Size	

1 04.	ODE Endbell Fit	(P) Pass
105.	ODE Initial Endbell Fit Size 1	5.1184 "
106.	ODE Initial Endbell Fit Size 2	5.1185 "
107.	ODE Initial Endbell Fit Size 3	5.1185 "
108.	ODE Final Endbell Fit Size 1	
109.	ODE Final Endbell Fit Size 2	
110.	ODE Final Endbell Fit Size 3	
111.	ODE Endbell Fit Insulated	(NA) Not Applicable
112.	ODE Endbell Air Seal Fit	
113.	ODE Initial Endbell Seal Fit Size	
114.	ODE Finial Endbell Seal Fit Size	
115.	Foot Flatness	(P) Pass
116.	Foot Condition	(P) Pass
117.	Flange Condition	(P) Pass
118.	Service Technician	Terrence. Holland
-	Les Holles	

Dalamaina	Damant
Balancing	Report

Dalanci	ng Report	
119.	Balance Type	
120.	Balance Operating Speed	
121.	Start Left End	
122.	Start Right End	
123.	Balancing Specification	
124.	Finish Left End	
125.	Finish Right End	
126.	Service Technician	
Assamh	Assambly and Final Tost	

143. ODE Vertical Vibration Reading 144. ODE Axial Vibration Reading

125.	Finish Right End
126.	Service Technician
Assem	bly and Final Test
127.	Meggar Testing Reading
128.	Surge Test
129.	Hi-Pot
130.	Winding Resistance 1-2
131.	Winding Resistance 2-3
132.	Winding Resistance 1-3
133.	Test Run Voltage Phase A
134.	Test Run Amps A
135.	Test Run Voltage Phase B
136.	Test Run Amps B
137.	Test Run Voltage Phase C
138.	Test Run Amps C
139.	DE Horizontal Vibration Reading
140.	DE Vertical Vibration Reading
141.	DE Axial Vibration Reading
142.	ODE Horizontal Vibration Reading

145.	Ambient Temp at start of Test Run
146.	Temp at 5 minutes
147.	Temp at 10 minutes
148.	Temp at 15 minutes
149.	Temp at 20 minutes
150.	Temp at 25 minutes
151.	Temp at 30 minutes
152.	Temp at 35 minutes
153.	Temp at 40 minutes
154.	Temp at 45 minutes
155.	Temp at 50 minutes
156.	Temp at 55 minutes
157.	Temp at 60 minutes
158.	Motor Paint
159.	Service Technician