



AC Recondition Repair Report

FolderID: 97621
FormID: 9473943


SAGE

5901 SLOAN DRIVE
LITTLE ROCK, AR 72206

Priorities Found: 1 - High 10 - Good

General		
1. Job Number	97621	
2. Report Date		
3. Customer	SAGE LR	
Name Plate Information		
4. Manufacturer	TSURUMI	P5
5. Model		
6. Serial Number	B-11110398	
7. Horsepower	10	
8. KW		
9. Volts	460	
10. Amps	134	
11. RPM		
12. Frame		
13. Enclosure	submersible pump	
14. Cycles	60 HZ	
15. Phase	3 PH	
16. Service Factor		
17. Motor Mount Position		
Initial Inspection		
18. Number of Leads	3	
19. Lead Length	35 Inches	
Insulation cut in multiple places. Cord is 4c. 35' long.		
20. Lead Size		
21. Lead Condition	(F) Fail	
22. Lead Markings		
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	yes Minor	P94
29. Bearing Rtd's		
30. Bearing Rtd's Condition		
31. Contamination		
Water		
32. Frame Condition	(P) Pass	

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33.	Fan Condition	(NA) Not Applicable	
34.	Broken or missing components		
	Seals		
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	
42.	Stator Condition	good	
43.	Failure Location		
Initial Rotor Inspection			
44.	Rotor Type	squirrel cage	P4
45.	Air Gap <10% Variation		
46.	Number of Rotor Bars		
47.	Number of Broken Rotor Bars	0	
48.	Growler Test	(P) Pass	
49.	Rotor Condition	(P) Pass	
Mechanical Inspection			
50.	Bearing Manufacture	koyo	
51.	Bearing DE Size	6309 2rs	P15
52.	Bearing DE Type	regular ball bearing	P23
53.	DE Bearing Qty.	1	
54.	Bearing ODE Size	6306 2rs	P43
55.	Bearing ODE Type	regular ball bearing	P53
56.	ODE Bearing Qty.	1	
57.	Insulated Bearing	no	
58.	Lubrication Type	oil	
59.	Grease Condition	(NA) Not Applicable	
60.	Bearing Retainers	(Y) Yes	P80
61.	Shaft Grounding Device	(NA) Not Applicable	
62.	DE Seal		
63.	DE Seal Type/Size		
64.	ODE Seal		
65.	ODE Seal Type/Size		
Root Cause of Failure			
66.	Component Failure	seals	
67.	Cause of Failure		
	Seal failure.		
68.	Comments		
69.	Service Technician	Terrence Holland	
			

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Machine Fit Inspection Report		
70.	Shaft Run Out	(P) Pass
71.	Initial Shaft Run Out	0.001 "
72.	Final Shaft Run Out	"
73.	DE Bearing Shaft Fit	(P) Pass
74.	DE Initial Shaft Bearing Fit Size 1	2.772 "
75.	DE Initial Shaft Bearing Fit Size 2	2.772 "
76.	DE Initial Shaft Bearing Fit Size 3	2.772 "
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	1.1812 "
82.	ODE Initial Shaft Bearing Fit Size 2	1.1812 "
83.	ODE Initial Shaft Bearing Fit Size 3	1.1812 "
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	
94.	DE Initial Endbell Fit Size 1	
95.	DE Initial Endbell Fit Size 2	
96.	DE Initial Endbell Fit Size 3	
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	
101.	DE Endbell Air Seal Fit	
102.	Initial Endbell Air Seal Fit Size	
103.	Finial Endbell Air Seal Fit Size	
104.	ODE Endbell Fit	
105.	ODE Initial Endbell Fit Size 1	
106.	ODE Initial Endbell Fit Size 2	
107.	ODE Initial Endbell Fit Size 3	
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

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117. Flange Condition	(NA) Not Applicable
118. Service Technician	Terrence Holland
	

Balancing 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

Assembly and Final Test

127.	Meggar Testing Reading	Mohm
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	
143.	ODE Vertical Vibration Reading	
144.	ODE Axial 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	

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- 158. Motor Paint
- 159. Service Technician



P4.1



P5.2:



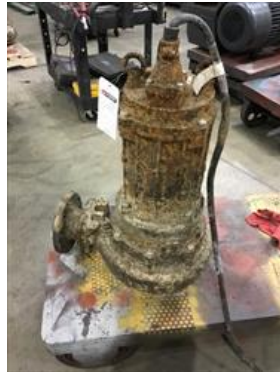
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P5.12

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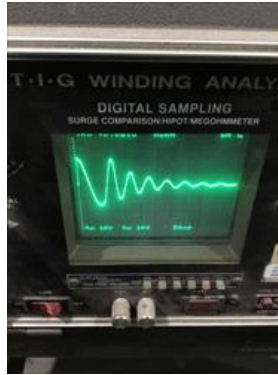
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P5.17



P5.18



P5.19



P5.20



P5.21



P5.22



P5.23



P5.24



P15.25



P23.26



P43.27



P53.28



P80.29



P94.30