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

AC Recondition Repair Report

FolderID: 97621
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SAGE
5901 SLOAN DRIVE
LITTLE ROCK, AR 72206

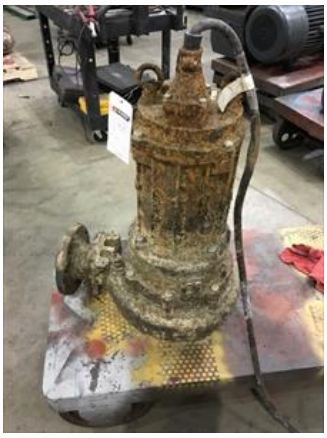
Priorities Found: **1 - High** **10 - Good**

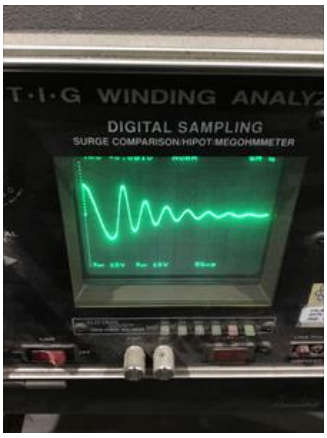
General

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**	
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 ***Replace power cord.***		
69.	Service Technician	**Terrence Holland**	

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**
	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	
158.	Motor Paint	

159. Service Technician