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

AC Recondition Repair Report

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SAGE
5901 SLOAN DRIVE
LITTLE ROCK, AR 72206

Priorities Found: **4 - High** **9 - Good**

General

1.	Job Number	**97661**	
2.	Report Date		
3.	Customer	**SAGE**	

Name Plate Information

4.	Manufacturer	**BALDOR**	P5

5.	Model	
6.	Serial Number	
7.	Horsepower	**50 HP**
8.	KW	
9.	Volts	**Volts**
10.	Amps	
11.	RPM	**1775**
12.	Frame	**326TDZ**
13.	Enclosure	**TEFC**
14.	Cycles	**60**
15.	Phase	**3**
16.	Service Factor	**1.0**
17.	Motor Mount Position	

Initial Inspection

18.	Number of Leads	**9**
19.	Lead Length	**Inches**
20.	Lead Size	

21.	Lead Condition		P42

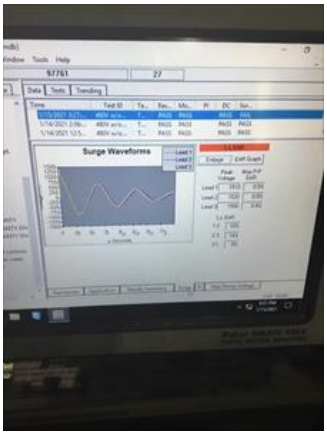
22.	Lead Markings		
23.	Lug Size, Condition, and Type		
24.	Winding RTD's		
25.	Winding Rtd's Condition		
26.	Shaft Run Out		
27.	Does Shaft Turn Freely	**yes**	
28.	Does Shaft Have Visible Damage	**no**	
29.	Bearing Rtd's		
30.	Bearing Rtd's Condition		
31.	Contamination ***Yes/dirty***		
32.	Frame Condition	**(P) Pass**	
33.	Fan Condition	**(P) Pass**	P109

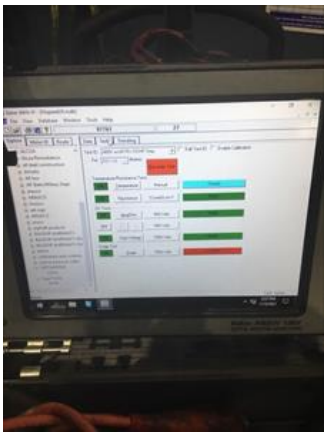
34.	Broken or missing components		

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





42.	Stator Condition	**pass**
43.	Failure Location	

Initial Rotor Inspection

44.	Rotor Type	**squirrel cage**
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	

Mechanical Inspection

50.	Bearing Manufacture	**Fag**	P1

51.	Bearing DE Size	**6312 2Z/C3**	
52.	Bearing DE Type	**regular ball bearing**	
53.	DE Bearing Qty.	**1**	
54.	Bearing ODE Size	**6211 2Z/C3**	P43

55.	Bearing ODE Type	**regular ball bearing**	
56.	ODE Bearing Qty.	**1**	
57.	Insulated Bearing	**no**	
58.	Lubrication Type	**grease**	
59.	Grease Condition	**(F) Fail**	P74

Hardned

60.	Bearing Retainers	**(NA) Not Applicable**	
61.	Shaft Grounding Device	**(NA) Not Applicable**	
62.	DE Seal	**(Y) Yes**	
63.	DE Seal Type/Size	**in-pro seal**	P90

Needs replacing

64.	ODE Seal		
65.	ODE Seal Type/Size		

Root Cause of Failure

66.	Component Failure	**Bearings,**	
67.	Cause of Failure		

D.E. Shaft bearing fit measures too large. D.E. Shaft is bent by more than(.120). Also found grease contaminated/ hardened. Also found O.D.E housing fit too tight.

68.	Comments		
69.	Service Technician	**Terrence Holland**	

Machine Fit Inspection Report

70.	Shaft Run Out	**(F) Fail**	
71.	Initial Shaft Run Out	**0.12 "**	
72.	Final Shaft Run Out		
73.	DE Bearing Shaft Fit	**(F) Fail**	

Oversized. Max allowed is 2.3628.

74.	DE Initial Shaft Bearing Fit Size 1	**2.3633 "**	
75.	DE Initial Shaft Bearing Fit Size 2	**2.3632 "**	
76.	DE Initial Shaft Bearing Fit Size 3	**2.3632 "**	
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**	P93

81.	ODE Initial Shaft Bearing Fit Size 1	**2.1655 "**
82.	ODE Initial Shaft Bearing Fit Size 2	**2.1654 "**
83.	ODE Initial Shaft Bearing Fit Size 3	**2.1655 "**
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** P129

94.	DE Initial Endbell Fit Size 1	**5.1187 "**
95.	DE Initial Endbell Fit Size 2	**5.1187 "**
96.	DE Initial Endbell Fit Size 3	**5.1187 "**
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	**(F) Fail**
		Measures too small.	
	105.	ODE Initial Endbell Fit Size 1	**4.724 "**
	106.	ODE Initial Endbell Fit Size 2	**4.724 "**
	107.	ODE Initial Endbell Fit Size 3	**4.724 "**
	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	
	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**

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	
	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