

# EVERY DAY SINCE 1946

**Motor Shop Repairs** 

# Job Number 97703

Prepared for SAGE

5901 SLOAN DRIVE LITTLE ROCK AR 72206

# Table of Contents

AC Recondition Repair Report



## **AC Recondition Repair Report**

FolderID: 97703 FormID: 9679644

SAGE

5901 SLOAN DRIVE LITTLE ROCK, AR 72206

Priorities Found: 🛑 4 - High	10 - Good	
General		
1. Job Number	97703	
2. Report Date		
3. Customer	SAGE LR	
Name Plate Information		

#### STERLING

#### 4. Manufacturer













14. Cycles		60
15. Phase		3
16. Service I	Factor	
17. Motor Mo	ount Position	
Initial Inspecti	ion	
18. Number	of Leads	12



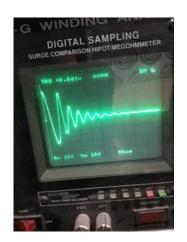
19. Lead Length	8 Inches
20. Lead Size	12
21. Lead Condition	(P) Pass
22. Lead Markings	1-12
23. Lug Size, Condition, and Type	
24. Winding RTD's	(NA) Not Applicable
25. Winding Rtd's Condition	(NA) Not Applicable
26. Shaft Run Out	
27. Does Shaft Turn Freely	yes
28. Does Shaft Have Visible Damage	no
29. Bearing Rtd's	(NA) Not Applicable
30. Bearing Rtd's Condition	(NA) Not Applicable
31. Contamination	
32. Frame Condition	(P) Pass
33. Fan Condition	(P) Pass

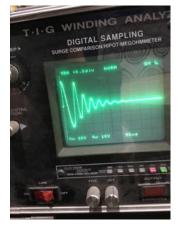


34. Broken or missing components

- 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





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(P) Pass

0.186 Ohm

0.185 Ohm's

0.184 Ohm's

#### 43. Failure Location

#### **Initial Rotor Inspection**

44. Rotor Type

cast aluminum



45. A	ir Gap <10% Variation	
46. N	lumber of Rotor Bars	40
47. N	lumber of Broken Rotor Bars	0
🜒 48. G	Growler Test	(P) Pass
🜒 49. R	Rotor Condition	(P) Pass
Mechan	ical Inspection	

50. Bearing Manufacture

DE KOYO ODE NSK



#### 6310ZZ

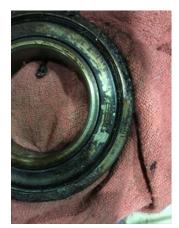
## 51. Bearing DE Size

Frosted





52. Bearing DE Type	Ball
53. DE Bearing Qty.	1
54. Bearing ODE Size	6210ZZ
Frosted	





55.	Bearing ODE Type	ball
56.	ODE Bearing Qty.	1
57.	Insulated Bearing	no
58.	Lubrication Type	grease
59.	Grease Condition	(NA) Not Applicable
60.	Bearing Retainers	
61.	Shaft Grounding Device	(NA) Not Applicable
62.	DE Seal	(NA) Not Applicable
63.	DE Seal Type/Size	
64.	ODE Seal	(NA) Not Applicable
65.	ODE Seal Type/Size	
Root	Cause of Failure	
66.	Component Failure	
67.	Cause of Failure	
68.	Comments	
69.	Service Technician	

#### **Machine Fit Inspection Report**

- 70. Shaft Run Out
- 71. Initial Shaft Run Out
- 72. Final Shaft Run Out
- 73. DE Bearing Shaft Fit

(P) Pass



74.	DE Initial Shaft Bearing Fit Size 1	1.9689 "
75.	DE Initial Shaft Bearing Fit Size 2	1.9689 "
76.	DE Initial Shaft Bearing Fit Size 3	1.7689 "
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	1.9687 "
82. ODE Initial Shaft Bearing Fit Size 2	1.9687 "
83. ODE Initial Shaft Bearing Fit Size 3	1.9687 "
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

Control Contro

DE Initial Endbell Fit Size 1	4.3321 "
DE Initial Endbell Fit Size 2	4.3322 "
DE Initial Endbell Fit Size 3	4.3322 "
DE Final Endbell Fit Size 1	
DE Finial Endbell Fit Size 2	
DE Final Endbell Fit Size 3	
DE Endbell Fit Insulated	(N) No
DE Endbell Air Seal Fit	
Initial Endbell Air Seal Fit Size	
Finial Endbell Air Seal Fit Size	
ODE Endbell Fit	(F) Fail
	DE Initial Endbell Fit Size 1 DE Initial Endbell Fit Size 2 DE Initial Endbell Fit Size 3 DE Final Endbell Fit Size 1 DE Finial Endbell Fit Size 2 DE Final Endbell Fit Size 3 DE Endbell Fit Insulated DE Endbell Air Seal Fit Initial Endbell Air Seal Fit Size Finial Endbell Air Seal Fit Size ODE Endbell Fit



105. ODE Initial Endbell Fit Size 1	3.5451 "
106. ODE Initial Endbell Fit Size 2	3.5451 "
107. ODE Initial Endbell Fit Size 3	3.5451 "
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	(N) No
112. ODE Endbell Air Seal Fit	

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(F) Fail

<ol> <li>ODE Initial Endbell Seal Fit Size</li> <li>ODE Finial Endbell Seal Fit Size</li> </ol>	
15. Foot Flatness	
16. Foot Condition	(P) Pass
17. Flange Condition	(.).
18. Service Technician	RW
lancing Report	
19. Balance Type	
20. Balance Operating Speed	
21. Start Left End	
22. Start Right End	
23. Balancing Specification	
24. Finish Left End	
25. Finish Right End	
26. Service Technician	
sembly and Final Test	
27. Meggar Testing Reading	67000 Mohm
28. Surge Test	(P) Pass
29. Hi-Pot	
30. Winding Resistance 1-2	
31. Winding Resistance 2-3	
-	458 Volts

134. Test Run Amps A

12.2 Amps

### 138. Test Run Amps C 11.9 Amps 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 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

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#### 135. Test Run Voltage Phase B

PHENIX

A/8.01	B-E IVI	A/0 /W1
0459	0457	0460
A 00		2 140
0 12.2	0.51.0	0119
excellance ma	-	
-		

136. Test Run Amps B	12 Amps
137. Test Run Voltage Phase C	460 Volts

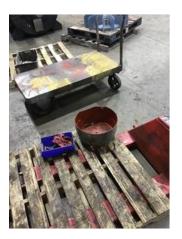


#### 157. Temp at 60 minutes

158. Motor Paint







159. Service Technician







RW



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