



KEEPING YOUR FACILITY UP TO SPEED
— EVERY DAY SINCE 1946 —

Motor Shop Repairs

Job Number 98905

Prepared for SLOAN VALVE (11763)

2719 Business Hwy 33
Augusta Arkansas

Table of Contents

AC Recondition Repair Report

1.0

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Millington, Tn 38053
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AC Recondition Repair Report

FolderID: 98905
FormID: 11860894

SLOAN VALVE (11763)

2719 Business Hwy 33
Augusta, Arkansas

Priorities Found: ● 2 - High ● 14 - Good

General

1. Job Number	98905
2. Report Date	10/21/2021
3. Customer	Sloan Valve

Name Plate Information

- | | |
|-----------------|--|
| 4. Manufacturer | |
|-----------------|--|



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5. Model	
6. Serial Number	
7. Horsepower	3
8. KW	
9. Volts	460
10. Amps	4
11. RPM	1765
12. Frame	215YZ
13. Enclosure	TEFC
14. Cycles	60
15. Phase	3
16. Service Factor	
17. Motor Mount Position	
Initial Inspection	
18. Number of Leads	
19. Lead Length	
20. Lead Size	
21. Lead Condition	
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	
28. Does Shaft Have Visible Damage	
29. Bearing Rtd's	
30. Bearing Rtd's Condition	
31. Contamination	
Oil	
32. Frame Condition	(P) Pass
33. Fan Condition	(NA) Not Applicable
34. Broken or missing components	
Initial Electric Test	

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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

43. Failure Location

Initial Rotor Inspection

44. Rotor Type cast aluminum

45. Air Gap <10% Variation

46. Number of Rotor Bars 40

47. Number of Broken Rotor Bars 0

● 48. Growler Test (P) Pass

● 49. Rotor Condition (P) Pass

Mechanical Inspection

50. Bearing Manufacture



51. Bearing DE Size 6308

52. Bearing DE Type deep groove ball

53. DE Bearing Qty. 1

54. Bearing ODE Size 6207

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55. Bearing ODE Type	deep groove ball
56. ODE Bearing Qty.	1
57. Insulated Bearing	
58. Lubrication Type	unknown
59. Grease Condition	(F) Fail
60. Bearing Retainers	(NA) Not Applicable
61. Shaft Grounding Device	(NA) Not Applicable
62. DE Seal	(Y) Yes
63. DE Seal Type/Size	40 73 9 National part number 473442
64. ODE Seal	
65. ODE Seal Type/Size	

Root Cause of Failure

66. Component Failure	ODE bearing
67. Cause of Failure <i>Contamination</i>	
68. Comments <i>6308 2Z, 6207 2Z, seal (National number 473442), sleeve ODE end bell, polish seal fit on DE rotor shaft.</i>	
69. Service Technician	David Maclin



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	1.5752 "
75. DE Initial Shaft Bearing Fit Size 2	1.5752 "
76. DE Initial Shaft Bearing Fit Size 3	1.5751 "
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	1.3782 "
82. ODE Initial Shaft Bearing Fit Size 2	1.3782 "
83. ODE Initial Shaft Bearing Fit Size 3	1.3782 "
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	

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93. DE Endbell Fit	(P) Pass
94. DE Initial Endbell Fit Size 1	3.5432 "
95. DE Initial Endbell Fit Size 2	3.5433 "
96. DE Initial Endbell Fit Size 3	3.5432 "
97. DE Final Endbell Fit Size 1	
98. DE Final 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	2.063 "
 Polish seal surface and repair damaged threads.	



103. Final Endbell Air Seal Fit Size

2.062 "



104. ODE Endbell Fit	(F) Fail
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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	
112. ODE Endbell Air Seal Fit	
113. ODE Initial Endbell Seal Fit Size	
114. ODE Final Endbell Seal Fit Size	
115. Foot Flatness	(NA) Not Applicable
116. Foot Condition	(NA) Not Applicable
117. Flange Condition	(P) Pass
118. Service Technician	David Maclin
	


Balancing Report

119. Balance Type



120. Balance Operating Speed
121. Start Left End

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122. Start Right End	
123. Balancing Specification	
124. Finish Left End	
125. Finish Right End	
126. Service Technician	David Maclin
	
Assembly and Final Test	
127. Meggar Testing Reading	
128. Surge Test	(P) Pass
129. Hi-Pot	
130. Winding Resistance 1-2	
131. Winding Resistance 2-3	
132. Winding Resistance 1-3	
133. Test Run Voltage Phase A	456 Volts



134. Test Run Amps A	1.8 Amps
135. Test Run Voltage Phase B	456 Volts

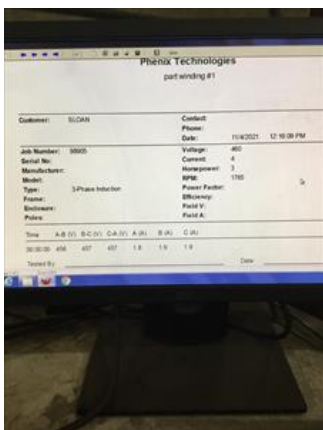


136. Test Run Amps B	1.8 Amps
137. Test Run Voltage Phase C	457 Volts

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138. Test Run Amps C	1.9 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	
157. Temp at 60 minutes	
158. Motor Paint	(P) Pass



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159. Service Technician

RW

A handwritten signature consisting of the letters 'R' and 'W' in a stylized, cursive-like font.



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1. **APPLICABILITY.** The sale of any and all goods and/or services by Mock, Inc. d/b/a Hi-Speed Industrial Service ("Hi-Speed") shall be specifically conditioned upon and subject to the following terms and conditions which are incorporated by reference into any contracts and purchase orders with Hi-Speed, and which shall form and become a part of any agreement related thereto. Buyer's acceptance of any offer or quotation made by Hi-Speed for sale of any goods or services is expressly made subject to the terms and conditions set forth herein and to be so effective, Buyer need not sign or approve these Terms and Conditions to be bound hereunder provided a copy of same is provided to Buyer through any means. None of the terms and conditions contained herein may be added to, expanded, changed, modified, superseded or otherwise altered except as revised in writing and duly executed by Hi-Speed, and all orders received by Hi-Speed shall be governed only by the terms and conditions contained herein, notwithstanding any terms, conditions or provisions of any purchase order, release order, authorization or any other form issued by the Buyer. Hi-Speed hereby objects to any additional, modified, changed, deleted, altered or other terms and conditions not contained herein and notifies Buyer that any such terms or provisions are expressly rejected by Hi-Speed.
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8. **WARRANTIES.** Hi-Speed warrants that all goods shall conform in all material aspects to the goods identified in the quotation to Buyer and/or purchase order, and Hi-Speed makes to Buyer the manufacturer's express warranty for any goods sold to Buyer, which is offered by the manufacturer at the time of acceptance of any quotation by Buyer. This warranty is conditioned upon the installation, operation, and maintenance of the goods in accordance with the manufacturer's recommendations and/or standard industry practice and the goods at all times being operated or used under normal operating conditions for which they were designed. Hi-Speed, at its sole option, will repair or

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