



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

Motor Shop Repairs

Job Number 98903

Prepared for SLOAN VALVE (11763)

2719 Business Hwy 33
Augusta Arkansas

Table of Contents

AC Recondition Repair Report

1.0

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AC Recondition Repair Report

FolderID: 98903
FormID: 11861189

SLOAN VALVE (11763)
2719 Business Hwy 33
Augusta, Arkansas

Performed By: Motor Shop LR 2
Date Completed: 11/24/2021

Priorities Found: ● 19 - Good

General

1. Job Number	98903
2. Report Date	10/21/2021
3. Customer	Sloan Valve

Name Plate Information

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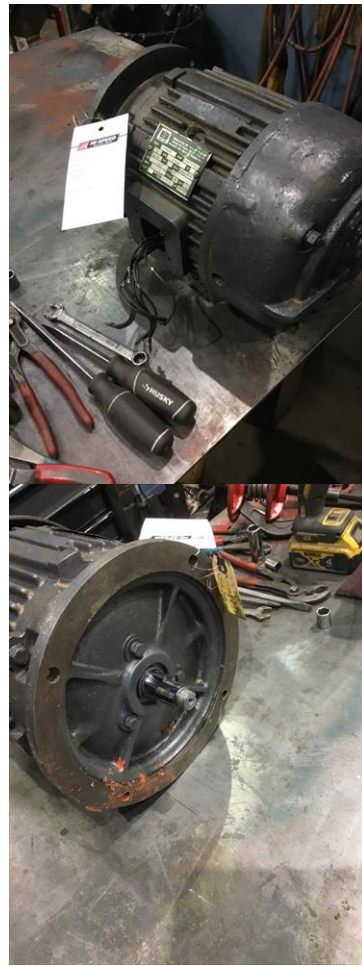
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1.0

4. Manufacturer

Louis Allis



5. Model

6. Serial Number

7. Horsepower

3

8. KW

9. Volts

460

10. Amps

4.5

11. RPM

1760



12. Frame

213B

13. Enclosure

TEFC

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14. Cycles	60
15. Phase	3
16. Service Factor	
17. Motor Mount Position	
Initial Inspection	
18. Number of Leads	9
19. Lead Length	10 Inches
20. Lead Size	16
● 21. Lead Condition	(P) Pass
	
22. Lead Markings	1-9
 <i>Hooked up 230 Volts</i>	
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	
<i>Yes oil</i>	
● 32. Frame Condition	(P) Pass

33. Fan Condition

(P) Pass



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

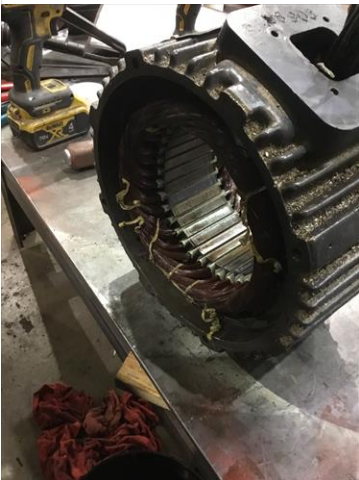
40. Hi-Pot

41. Surge Test

(NA) Not Applicable

42. Stator Condition

rewind



43. Failure Location

all strings burned off

Initial Rotor Inspection

44. Rotor Type

cast aluminum

45. Air Gap <10% Variation

46. Number of Rotor Bars

47. Number of Broken Rotor Bars

48. Growler Test

**Mechanical Inspection**

50. Bearing Manufacture

Koyo

51. Bearing DE Size

6307

52. Bearing DE Type

ball bearing

53. DE Bearing Qty.

1

54. Bearing ODE Size

6207

55. Bearing ODE Type

ball bearing


56. ODE Bearing Qty.

1

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57. Insulated Bearing	no
58. Lubrication Type	grease
59. Grease Condition	(P) Pass
60. Bearing Retainers	(Y) Yes
61. Shaft Grounding Device	(NA) Not Applicable
62. DE Seal	(Y) Yes
Seal surface bad needs repaired	
63. DE Seal Type/Size	SKF 12458
64. ODE Seal	(NA) Not Applicable
65. ODE Seal Type/Size	
Root Cause of Failure	
66. Component Failure	seal surface bad needs repaired



67. Cause of Failure	
68. Comments	
69. Service Technician	RW
	

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	1.3782 "
75. DE Initial Shaft Bearing Fit Size 2	1.3782 "
76. DE Initial Shaft Bearing Fit Size 3	1.3782 "
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	1.3781 "
82. ODE Initial Shaft Bearing Fit Size 2	1.3781 "
83. ODE Initial Shaft Bearing Fit Size 3	1.3781 "
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

(NA) Not Applicable

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94. DE Initial Endbell Fit Size 1	3.1511 "
95. DE Initial Endbell Fit Size 2	3.1511 "
96. DE Initial Endbell Fit Size 3	3.1511 "
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	(NA) Not Applicable
101. DE Endbell Air Seal Fit	
102. Initial Endbell Air Seal Fit Size	
103. Final Endbell Air Seal Fit Size	
104. ODE Endbell Fit	(NA) Not Applicable



105. ODE Initial Endbell Fit Size 1	2.8375 "
106. ODE Initial Endbell Fit Size 2	2.8375 "
107. ODE Initial Endbell Fit Size 3	2.8375 "
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 Final Endbell Seal Fit Size	
115. Foot Flatness	(NA) Not Applicable

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● 116. Foot Condition	(NA) Not Applicable
● 117. Flange Condition	(P) Pass
118. Service Technician	RW
	

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	(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	228 Volts



134. Test Run Amps A	4.3 Amps
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135. Test Run Voltage Phase B

228 Volts



136. Test Run Amps B

4.4 Amps

137. Test Run Voltage Phase C

229 Volts



138. Test Run Amps C

4.5 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

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157. Temp at 60 minutes

● 158. Motor Paint

(P) Pass



159. Service Technician

RW

RW



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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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4. **BILLING AND PAYMENT TERMS.** Hi-Speed shall invoice Buyer for all goods and/or services as same are rendered at the address listed on the quotation. Payments for all goods and/or services shall be due thirty (30) days from the date of the current invoice or as otherwise set forth in the quotation. Late payments are subject to a late fee of 5% of the total invoice amount. Recurring late payments may lead to a deposit requirement on future services or sale of goods. Buyer shall be liable to Hi-Speed for any and all fees and expenses incurred by Hi-Speed to collect any invoices or to enforce these Standard Terms and Conditions, including but not limited to, attorney's fees.
5. **DELIVERY OF GOODS AND/OR SERVICES.** Unless otherwise identified in the quotation, all shipments are F.O.B. Hi-Speed's warehouse and the title to and all risk of loss with respect to any goods shipped shall pass to Buyer when such goods are delivered to the carrier at Hi-Speed's warehouse. Hi-Speed will use its best efforts to affect delivery by the date or dates specified in the quotation. However, Hi-Speed shall not be liable for delay in or failure to make shipment, or to perform services, by any identified date for any reason whatsoever, including but not limited to, causes beyond its reasonable control, such as strikes, fires, floods, epidemics, quarantines, restrictions, severe weather, embargos, acts of God, or public enemy, war, riot, delays in transportation or the inability to obtain necessary labor, materials or manufacturing facilities.
6. **DELIVERY SITE AND TIME FOR PERFORMANCE.** Hi-Speed and Buyer agree that time is of the essence for the purchase order and that Buyer shall fully cooperate with Hi-Speed in order to allow Hi-Speed full access to prosecute its work diligently and in an orderly manner. Buyer shall assist Hi-Speed in every way possible to avoid delaying, disrupting or interfering with the progress of Hi-Speed's work at the project site. In the event Hi-Speed's work is delayed, hindered, suspended, disrupted, re-sequenced or interfered with or rendered less efficient or more costly or adversely affected in any way as a result of acts or omissions of Buyer or other contractors or employees of Buyer or by any other reason beyond Hi-Speed's control and without the fault of Hi-Speed, then, in such event, Buyer shall be liable to Hi-Speed for any damages, additional costs, expenses, labor, materials, man hours, acceleration costs, overtime, additional jobsite overhead, extended home office overhead, and any and all other direct and indirect expenses of whatsoever nature or kind, caused in whole or in part, as a result of any of the above-referenced occurrences. Hi-Speed's project records will be the basis for computing the additional costs and damages of Hi-Speed's labor, materials, expenses and overhead related to such changes. BUYER WARRANTS THAT THE SITE FOR DELIVERY OR INSTALLATION OF ANY GOODS AND/OR FOR THE PERFORMANCE OF ANY SERVICES SHALL BE READY AND ADEQUATE FOR HI-SPEED'S DELIVERY OF GOODS AND/OR PERFORMANCE OF SERVICES AND THAT HI-SPEED SHALL HAVE FULL ACCESS THERETO, FREE OF ALL OBSTRUCTIONS. BUYER SHALL ASSUME ALL EXTRA COSTS ASSOCIATED WITH HI-SPEED'S INABILITY TO INSTALL ANY GOODS OR PERFORM ANY SERVICES AS A RESULT OF BUYER'S FAILURE TO COMPLY WITH THIS PROVISION. HI-SPEED MAY NOT INSPECT THE SITE PRIOR TO DELIVERY AND/OR INSTALLATION OF GOODS AND/OR PERFORMANCE OF SERVICES AND MAKES NO WARRANTY AS TO THE SUFFICIENCY OF THE SITE FOR THE DELIVERY AND/OR INSTALLATION OF GOODS AND/OR THE PERFORMANCE OF SERVICES AT SUCH SITE.
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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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11. **GOVERNING LAW AND JURISDICTION.** Any controversy arising out of any quotation, the purchase order, the goods sold or delivered, repair or replacement thereof, or any services provided pursuant to any quotation or any purchase order, or these Standard Terms and Conditions shall be governed by the laws of the state of Tennessee without regard to any choice of law provisions and any cause of action related in any manner thereto shall be brought only in the state or federal courts of Shelby County, Tennessee.
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13. **FORCE MAJEURE.** Neither party shall be responsible for any delay or failure in performance of any party of the quotation, purchase order or these Standard Terms and Conditions to the extent that such delays or failures are caused by fire, flood, earthquake, explosion, war, embargo, government requirement, civil or military authority, acts of God, or any other circumstances beyond its reasonable control and not involving any fault or negligence on the party affected ("Condition"). If any such Condition occurs, the party delayed or unable to perform shall promptly give written notice to the other party and, if such Condition remains at the end of thirty (30) days, the party affected by the other party's delay and inability to perform may elect to (i) terminate such order or part thereof, or (ii) suspend the order for the duration of the Condition, if the Buyer is the suspending party, buy elsewhere comparable material to be sold under the order and apply to any commitment the purchase price of such purchase, and resume performance of the order once the Condition ceases, with an option in the affected party to extend the period of this order up to the length of the time the Condition endures.
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16. **NO INDIVIDUAL LIABILITY.** Notwithstanding any other agreement to the contrary, the Buyer agrees that in no event will the Buyer hold and Hi-Speed owner, director, officer or employee personally liable for unintentional tortious conduct or conduct that constitutes the breach of any contract between Hi-Speed and the Buyer, even if the Hi-Speed owner, director, officer or employee is or could be construed to be a party to such contract.