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— EVERY DAY SINCE 1946 —

Motor Shop Repairs

**Job Number 99244**

Prepared for Lexicon (10257)

8900 Fouche Dam Pike  
Little Rock AR

# Table of Contents

AC Recondition Repair Report

1.0

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*Table of Contents*



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901-873-5300

## AC Recondition Repair Report

FolderID: 99244  
FormID: 12578717

**Lexicon (10257)**  
8900 Fouche Dam Pike  
Little Rock, AR

Priorities Found: ● 5 - High ● 11 - Good

### General

1. Job Number	99244
2. Report Date	1/14/2022
3. Customer	Prospect Steel

### Name Plate Information

4. Manufacturer	Reuland
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5. Model	13273
6. Serial Number	62347D-6
7. Horsepower	4
8. KW	
9. Volts	460

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10. Amps	5.3
11. RPM	1800
12. Frame	WEO-215/H4
13. Enclosure	TENV
14. Cycles	60
15. Phase	3
16. Service Factor	
17. Motor Mount Position	
<b>Initial Inspection</b>	
18. Number of Leads	3



19. Lead Length	12 Inches
20. Lead Size	18
21. Lead Condition	(P) Pass
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	
32. Frame Condition	(P) Pass
33. Fan Condition	(NA) Not Applicable
34. Broken or missing components	
<b>Initial Electric Test</b>	
35. Resistance to Ground	0 Mohm
36. Winding Resistance 1-2	
37. Winding Resistance 2-3	
38. Winding Resistance 1-3	
39. Resistive Imbalance	
40. Hi-Pot	
41. Surge Test	(F) Fail

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42. Stator Condition

rewind



43. Failure Location

rotor overload

#### Initial Rotor Inspection

44. Rotor Type

wound

45. Air Gap <10% Variation

46. Number of Rotor Bars

47. Number of Broken Rotor Bars

48. Growler Test

(F) Fail

49. Rotor Condition

(F) Fail

 Rewind



#### Mechanical Inspection

50. Bearing Manufacture

FAG

51. Bearing DE Size

6306

*Frosted*

52. Bearing DE Type

ball bearing

53. DE Bearing Qty.

1

54. Bearing ODE Size

6306

*Frosted*

55. Bearing ODE Type

ball bearing

56. ODE Bearing Qty.

1

57. Insulated Bearing

no

58. Lubrication Type

grease

59. Grease Condition

(P) Pass

60. Bearing Retainers

61. Shaft Grounding Device

(N) No

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

*Rotor overload*

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68. Comments	
69. Service Technician	RW
	
<b>Machine Fit Inspection Report</b>	
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	1.1812 "
75. DE Initial Shaft Bearing Fit Size 2	1.1812 "
76. DE Initial Shaft Bearing Fit Size 3	1.1812 "
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	1.1816 "
82. ODE Initial Shaft Bearing Fit Size 2	1.1816 "
83. ODE Initial Shaft Bearing Fit Size 3	1.1816 "
84. ODE Finial Shaft Bearing Fit Size 1	

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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



94. DE Initial Endbell Fit Size 1	2.8353 "
95. DE Initial Endbell Fit Size 2	2.8353 "
96. DE Initial Endbell Fit Size 3	2.8353 "
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	(N) No
101. DE Endbell Air Seal Fit	
102. Initial Endbell Air Seal Fit Size	
103. Finial Endbell Air Seal Fit Size	
104. ODE Endbell Fit	(P) Pass



105. ODE Initial Endbell Fit Size 1	2.8351 "
106. ODE Initial Endbell Fit Size 2	2.8351 "

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107. ODE Initial Endbell Fit Size 3	2.8351 "
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	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
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

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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



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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.
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12. **ABANDONED EQUIPMENT.** Hi-Speed requires that Buyer promptly pick up or provide shipment instructions for Buyer equipment or other Buyer property in Hi-Speed's possession. If equipment or other Buyer property is left with Hi-Speed and not picked up within six (6) months after Hi-Speed's final action related to the applicable property (e.g. evaluation, teardown, estimate, completion of services), Hi-Speed will consider such property abandoned and may dispose of it in accordance with applicable law. Buyer agrees to hold Hi-Speed harmless for any damage or claim for such abandoned property and acknowledges that Hi-Speed may discard or recycle it at Hi-Speed's sole and absolute discretion. Specifically, Hi-Speed may sell Buyer's abandoned property at a private or public sale and retain the proceeds to offset Hi-Speed's storage, inspection and servicing costs. For the avoidance of doubt, Hi-Speed reserves its statutory and other lawful liens for unpaid charges related to abandoned property.
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