



## AC Recondition Repair Report

FolderID: 99198  
FormID: 12522191

Kordsmeier (10022)  
118 Harkrider  
Conway, AR 72032

Priorities Found: ● 2 - High ● 15 - Good

### General

1. Job Number	99198
2. Report Date	01/07/2022
3. Customer	Kordsmeier Electric

### Name Plate Information



4. Manufacturer	Baldor	P5
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













5. Model	42H074W390H2
6. Serial Number	Z0601230245
7. Horsepower	60
8. KW	
9. Volts	460
10. Amps	72
11. RPM	1770
12. Frame	364TC
13. Enclosure	ODP
14. Cycles	60
15. Phase	3
16. Service Factor	1.15
17. Motor Mount Position	
<b>Initial Inspection</b> 	
18. Number of Leads	9
19. Lead Length	14 Inches
20. Lead Size	
● 21. Lead Condition	(P) Pass
22. Lead Markings	1-9
23. Lug Size, Condition, and Type	
24. Winding RTD's	
25. Winding Rtd's Condition	
26. Shaft Run Out	

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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		P104
			
32.	Frame Condition	(P) Pass	P106
			
33.	Fan Condition	(P) Pass	P109
			
34.	Broken or missing components <i>Baffle</i>		P113

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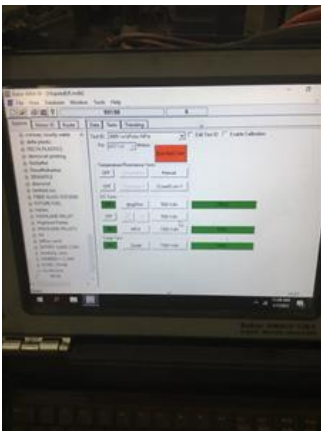


## Initial Electric Test



- 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 (P) Pass P58



- 42. Stator Condition pass
- 43. Failure Location

## Initial Rotor Inspection

- 44. Rotor Type squirrel cage laminate
- 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 (P) Pass

## Mechanical Inspection



- 50. Bearing Manufacture fag

51. Bearing DE Size

6313 2Z C3

P15



52. Bearing DE Type

regular ball bearing

53. DE Bearing Qty.

1

54. Bearing ODE Size

6311 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

☒ 60. Bearing Retainers

(Y) Yes

P80


☒ 61. Shaft Grounding Device

(Y) Yes

P81

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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	Terrence. Holland



*Terrence Holland*

#### 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	2.5593 "
75. DE Initial Shaft Bearing Fit Size 2	2.5593 "
76. DE Initial Shaft Bearing Fit Size 3	2.5594 "
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	2.1662 "
82. ODE Initial Shaft Bearing Fit Size 2	2.166 "
83. ODE Initial Shaft Bearing Fit Size 3	2.166 "
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	

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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	5.512 "
95.	DE Initial Endbell Fit Size 2	5.512 "
96.	DE Initial Endbell Fit Size 3	5.5121 "
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	
103.	Final Endbell Air Seal Fit Size	
104.	ODE Endbell Fit	(F) Fail
	 Oversized/pitted	
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	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. | Megger Testing Reading |
| 128. | Surge Test             |
| 129. | Hi-Pot                 |

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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