



AC Recondition Repair Report

FolderID: 99847
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FUTURE FUEL CHEMICAL
2800 GAP RD HWY 394 SO
BATESVILLE, AR 72501

Priorities Found: ● 1 - High ● 11 - Good

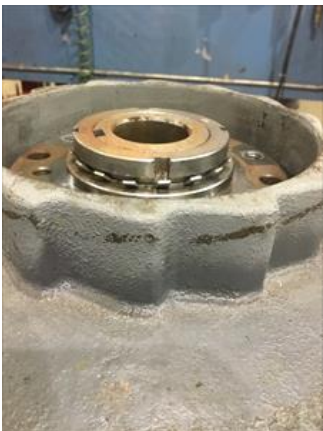
General

1. Job Number	99847
2. Report Date	
3. Customer	Future Fuel

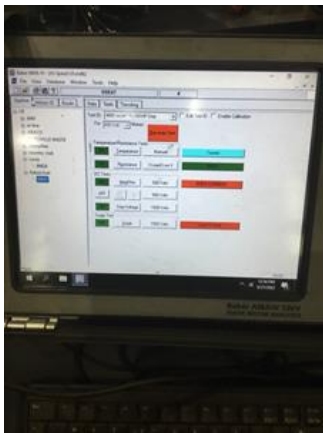
Name Plate Information

4. Manufacturer	U.S. Motors	P5
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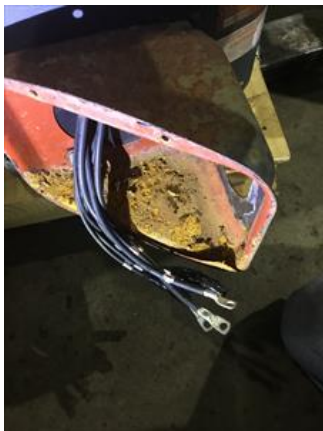


5. Model	FC80
6. Serial Number	HO40P2BLG
7. Horsepower	40 HP
8. KW	
9. Volts	460 Volts
10. Amps	45 Amps
11. RPM	1780 RPM
12. Frame	324TP
13. Enclosure	WPI
14. Cycles	60 HZ
15. Phase	3 PH
16. Service Factor	1.15
17. Motor Mount Position	

Initial Inspection



18. Number of Leads	9	P13
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19. Lead Length	12 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	no	
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	P109



34. Broken or missing components

Initial Electric Test

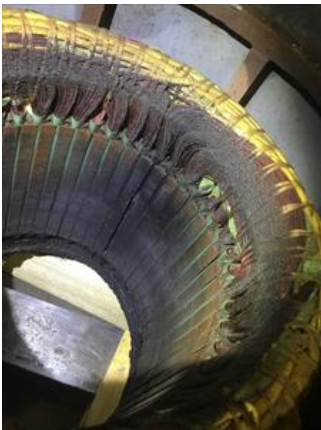


- 35. Resistance to Ground
- 36. Winding Resistance 1-2
- 37. Winding Resistance 2-3
- 38. Winding Resistance 1-3
- 39. Resistive Imbalance
- 40. Hi-Pot

41. Surge Test (F) Fail

42. Stator Condition

43. Failure Location in slot P68



Initial Rotor Inspection





45. Air Gap <10% Variation

46. Number of Rotor Bars 56

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 6211 Z

52. Bearing DE Type 7220

P23



53. DE Bearing Qty.

1



55. Bearing ODE Type

open ball bearing

56. ODE Bearing Qty.

1

57. Insulated Bearing

no

58. Lubrication Type

grease/oil

59. Grease Condition

P74



60. Bearing Retainers

(Y) Yes

61. Shaft Grounding Device

(NA) Not Applicable

62. DE Seal

63. DE Seal Type/Size

64. ODE Seal

65. ODE Seal Type/Size

Root Cause of Failure

66. Component Failure

windings blown

67. Cause of Failure

68. Comments


Windings shorted in slot.

69. Service Technician

Terrence. Holland

Machine Fit Inspection Report		
70.	Shaft Run Out	(P) Pass
71.	Initial Shaft Run Out	0.001 "
72.	Final Shaft Run Out	
73.	DE Bearing Shaft Fit	
74.	DE Initial Shaft Bearing Fit Size 1	"
75.	DE Initial Shaft Bearing Fit Size 2	
76.	DE Initial Shaft Bearing Fit Size 3	
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	2.166 "
82.	ODE Initial Shaft Bearing Fit Size 2	2.1598 "
83.	ODE Initial Shaft Bearing Fit Size 3	2.1599 "
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	
94.	DE Initial Endbell Fit Size 1	
95.	DE Initial Endbell Fit Size 2	
96.	DE Initial Endbell Fit Size 3	
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	
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	3.937 "
106.	ODE Initial Endbell Fit Size 2	3.9371 "
107.	ODE Initial Endbell Fit Size 3	3.9371 "
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 Finial Endbell Seal Fit Size	
115.	Foot Flatness	(P) Pass
116.	Foot Condition	

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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. 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 |
| 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 |

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158. Motor Paint
159. Service Technician