

AC Recondition Repair Report

FUTURE FUEL CHEMICAL

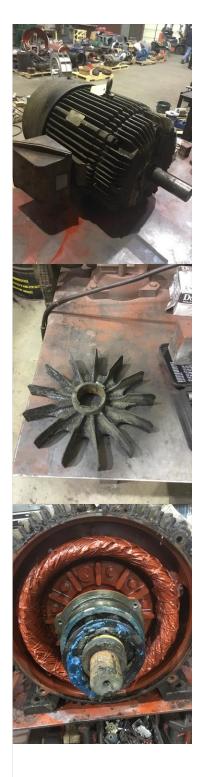
2800 GAP RD HWY 394 SO BATESVILLE, AR 72501

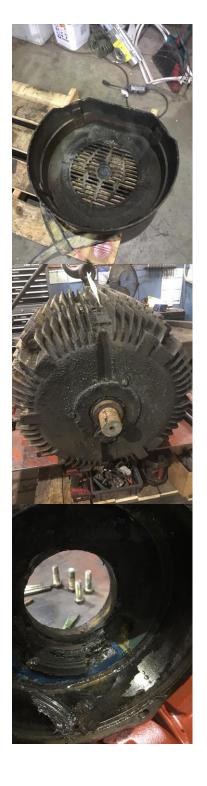
Priorities	Found: 🛑 1 - High	🛑 13 - Good	
Gene	al		
1.	Job Number	100504	
2.	Report Date	10/31/2022	
3.	Customer	FUTURE FUEL	
Name	Plate Information		O
	Manufacturer	RELIANCE	P5

Hi-Speed Industrial Service 7030 Ryburn Dr Millington, Tn 38053 901-873-5300

> FolderID: 100570 FormID: 14953726

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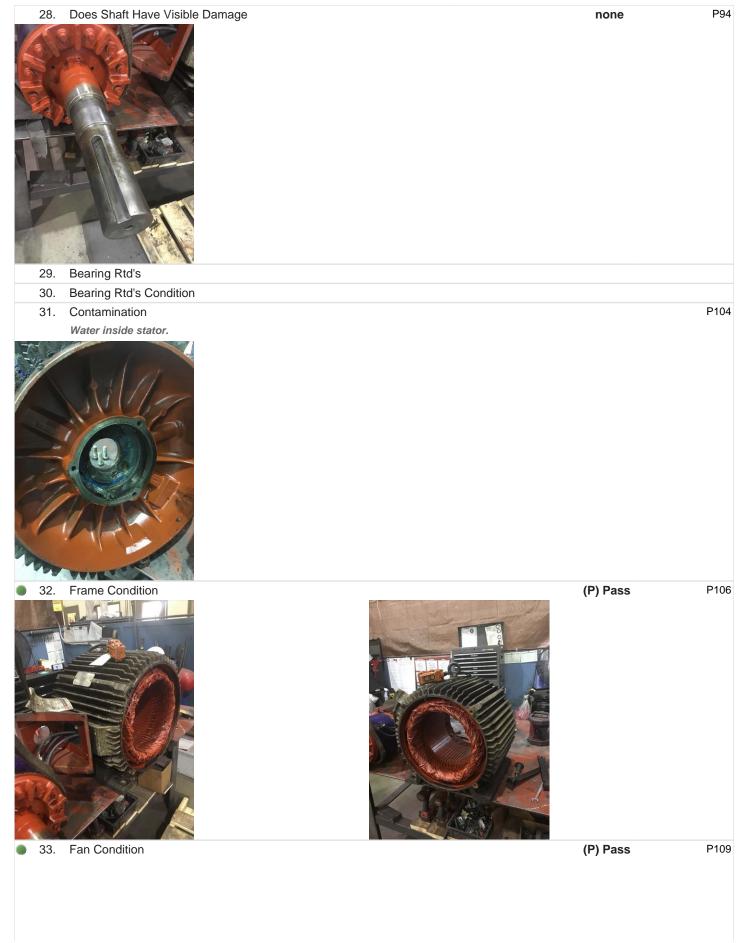






and the second			
5.	Model	21MN400240	
6.	Serial Number	P40G 240M G3 SS	
7.	Horsepower	100	
8.	KW		
9.	Volts	460	
10.	Amps	111	
11.	RPM	1785	
12.	Frame	405T	
13.	Enclosure	TEFC	
14.	Cycles	60 HZ	
15.	Phase	3	

16.	Service Factor	1.15	
17.	Motor Mount Position		
	nspection		0
Initial 18.	Ispection Number of Leads	3	P13
- 19.	Lead Length	13 Inches	
20.	Lead Size		
 21. Description 		(P) Pass	P42
22.	Lead Markings		
23.	Lug Size, Condition, and Type		
24.	Winding RTD's		
25.	Winding Rtd's Condition		
26.	Shaft Run Out	0.001	
27.	Does Shaft Turn Freely	yes	





34. Broken or missing components 3 each fan cover bolts broken off and require drill and tap.





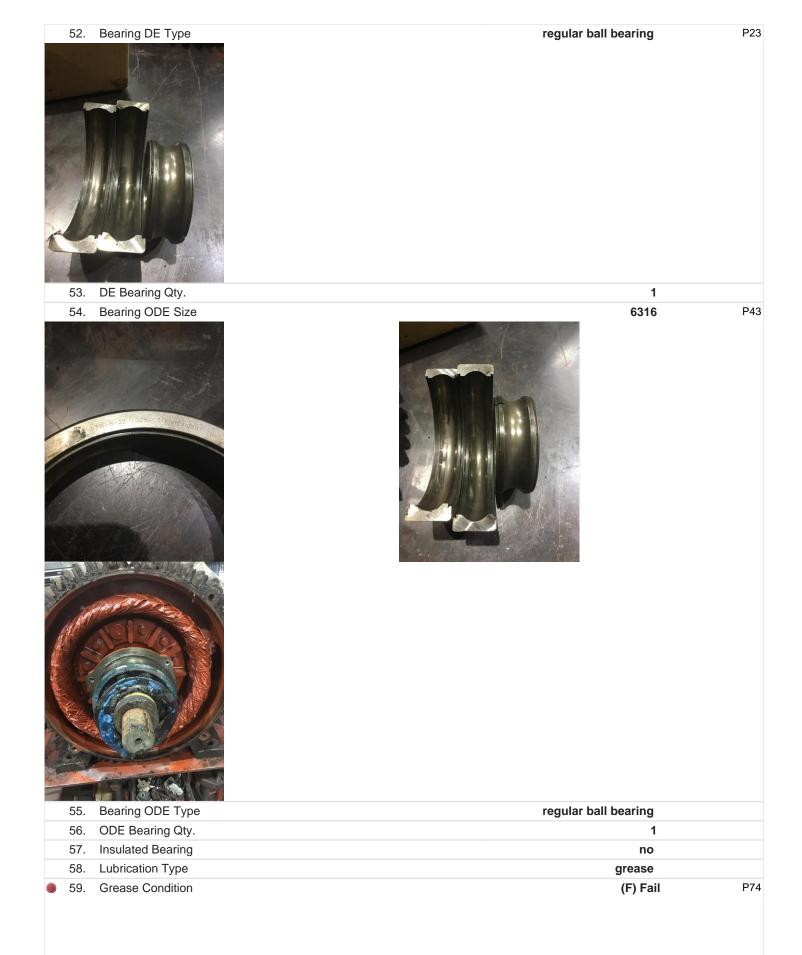


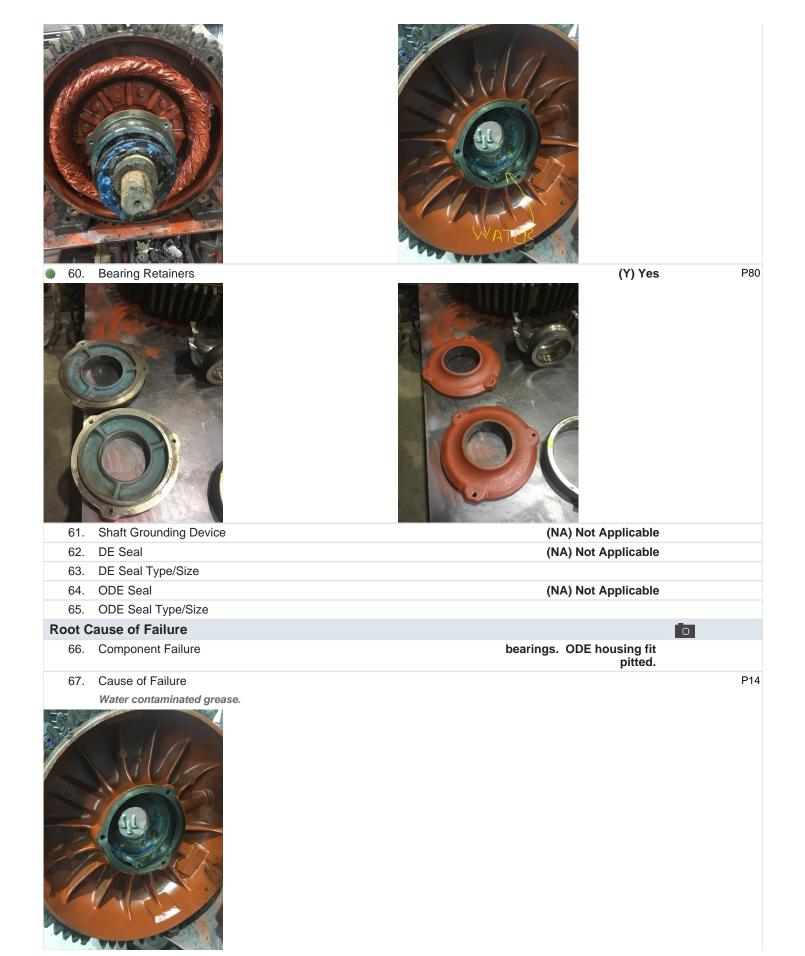
42. Stator Condition

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P113

43. Failure Location	
Initial Rotor Inspection	la l
44. Rotor Type	Squirrel cage laminate
45. Air Gap <10% Variation	
46. Number of Rotor Bars	
47. Number of Broken Rotor Bars	
48. Growler Test	
49. Rotor Condition	
Mechanical Inspection	ia
50. Bearing Manufacture	KBC
51. Bearing DE Size	





68. Comments

69. Service Technician

Terrence. Holland

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Mach	ine Fit Inspection Report	0
• 70.	Shaft Run Out	(P) Pass
71.	Initial Shaft Run Out	0.001 "
72	Final Shaft Run Out	
73.	DE Bearing Shaft Fit	(P) Pass
74	DE Initial Shaft Bearing Fit Size 1	3.1498 "
75.	DE Initial Shaft Bearing Fit Size 2	3.1498 "
76	DE Initial Shaft Bearing Fit Size 3	3.1498 "
77.	DE Finial Shaft Bearing Fit Size 1	п
78.	DE Finial Shaft Bearing Fit Size 2	п
79.	DE Finial Shaft Bearing Fit Size 3	11
80.	ODE Bearing Shaft Fit	(P) Pass
81	ODE Initial Shaft Bearing Fit Size 1	3.1497 "
82	ODE Initial Shaft Bearing Fit Size 2	3.1498 "
83.	ODE Initial Shaft Bearing Fit Size 3	3.1498 "
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	(P) Pass
94.	DE Initial Endbell Fit Size 1	6.6931 "
95	DE Initial Endbell Fit Size 2	6.693 "
96	DE Initial Endbell Fit Size 3	6.6932 "
97.		
98.		
99.		
100	DE Endbell Fit Insulated	(NA) Not Applicable
101	. DE Endbell Air Seal Fit	
102	. Initial Endbell Air Seal Fit Size	
103	 Finial Endbell Air Seal Fit Size 	

 104. ODE Endbell Fit <i>Pitted</i> If a state of the state of	(P) Pass	P145
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	(NA) Not Applicable	
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 	(P) Pass	
117. Flange Condition	(NA) Not Applicable	
118. Service Technician	Terrence Holland	
L- All		
Bearing grease contaminated with water.		
Balancing Report		0



- 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

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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

Terrence, Holland

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