

# 

# Motor Shop Repairs

## Job Number 98392

Prepared for Electric Motor Center

804 N. Jefferson Springdale AR 72764

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Printed on 7/6/2021 Powered by INSPECTALL Table of Contents



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> FolderID: 98392 FormID: 11022068

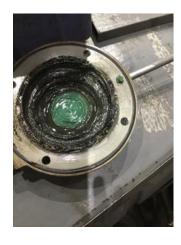
### **AC Recondition Repair Report**

**Electric Motor Center** 804 N. Jefferson Springdale, AR 72764

Priorities Found: 1 - High

13 - Good

FHORIGE	s round. I - nigh	13 - Good
General		
1.	Job Number	98392
2.	Report Date	
3.	Customer	Electric Motor Center
Name	Plate Information	
4.	Manufacturer	TECO























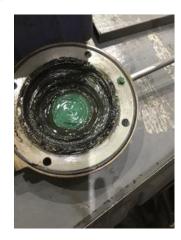


5.	Model	P8002
6.	Serial Number	TDFC186632T1-3
7.	Horsepower	800 HP
8.	KW	
9.	Volts	4160 Volts
10.	Amps	95.09999999999 Amps
11.	RPM	3580 RPM
12.	Frame	5810A
13.	Enclosure	DP
14.	Cycles	60 HZ
15.	Phase	3 PH
16.	Service Factor	1.15
17.	Motor Mount Position	
Initial	Inspection	
18.	Number of Leads	6
19.	Lead Length	10 Inches
20.	Lead Size	
<b>2</b> 1.	Lead Condition	(P) Pass



22. Lead Markings	1-6
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	
<b>3</b> 0.	Bearing Rtd's Condition	(NA) Not Applicable
31.	Contamination	
	Mixed grease	



<b>3</b> 2.	Frame Condition	(P) Pass
<ul><li>33.</li></ul>	Fan Condition	(NA) Not Applicable
34.	Broken or missing components	
Initial	Electric Test	
35.	Resistance to Ground	10337 Mohm
36.	Winding Resistance 1-2	
37.	Winding Resistance 2-3	
38.	Winding Resistance 1-3	
39.	Resistive Imbalance	
40.	Hi-Pot	
<b>41</b> .	Surge Test	(P) Pass



#### 42. Stator Condition





43. Failure Location

### **Initial Rotor Inspection**

44. Rotor Type copper



49.	Rotor Condition	(P) Pass
48.	Growler Test	(P) Pass
47.	Number of Broken Rotor Bars	0
46.	Number of Rotor Bars	46
45.	Air Gap <10% Variation	



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### **Mechanical Inspection**

50. Bearing Manufacture NSK SKF

51. Bearing DE Size 6315C3





Found frosting .Recommend installing a aegis ring

52. Bearing DE Type	ball bearing
53. DE Bearing Qty.	1
54. Bearing ODE Size	6315/C3VL0241





Found frosting . Recommend installing a aegis ring

55. Bearing ODE Type	Insacoat Ball bearing
56. ODE Bearing Qty.	1
57. Insulated Bearing	yes
58. Lubrication Type	grease
59. Grease Condition	





<b>6</b> 0.	Bearing Retainers	(Y) Yes
61.	Shaft Grounding Device	(NA) Not Applicable
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	
Machi	ne Fit Inspection Report	
70.	Shaft Run Out	
71.	Initial Shaft Run Out	
72.	Final Shaft Run Out	
<b>7</b> 3.	DE Bearing Shaft Fit	(P) Pass



74. DE Initial Shaft Bearing Fit Size 1	2.9531 "
75. DE Initial Shaft Bearing Fit Size 2	2.9531 "
76. DE Initial Shaft Bearing Fit Size 3	2.9531 "
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	2.9533 "
82.	ODE Initial Shaft Bearing Fit Size 2	2.9533 "
83.	ODE Initial Shaft Bearing Fit Size 3	2.9533 "
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	6.2998 "
95. DE Initial Endbell Fit Size 2	6.2997 "
96. DE Initial Endbell Fit Size 3	6.2999 "
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	





105. ODE Initial Endbell Fit Size 1	6.303 "
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 Finial Endbell Seal Fit Size	
115. Foot Flatness	(P) Pass
116. Foot Condition	(P) Pass
117. Flange Condition	
118. Service Technician	RW
Q 1 1	



- 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
	Hi-Pot
130.	Winding Resistance 1-2
	Winding Resistance 2-3
	Winding Resistance 1-3
	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

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