



AC Recondition Repair Report

FolderID: 97723
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Hillcrest Camshaft
5502 West 65th Str
Little Rock, AR

Priorities Found: ● 1 - High ● 2 - Good

General

- | | |
|----------------|--------------------|
| 1. Job Number | 97723 |
| 2. Report Date | |
| 3. Customer | HILLCREST CAMSHAFT |

Name Plate Information

- | | |
|-----------------|--|
| 4. Manufacturer | |
|-----------------|--|

P5







5. Model	
6. Serial Number	F1309246780
7. Horsepower	20
8. KW	
9. Volts	230460
10. Amps	
11. RPM	3500
12. Frame	215YZ
13. Enclosure	TE
14. Cycles	60 HZ
15. Phase	
16. Service Factor	
17. Motor Mount Position	
Initial Inspection	
18. Number of Leads	3
19. Lead Length	
20. Lead Size	
21. Lead Condition	
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	
28. Does Shaft Have Visible Damage	
29. Bearing Rtd's	
30. Bearing Rtd's Condition	
31. Contamination	
32. Frame Condition	
33. Fan Condition	(P) Pass
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	

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39.	Resistive Imbalance
40.	Hi-Pot
41.	Surge Test
42.	Stator Condition
43.	Failure Location
Initial Rotor Inspection	
44.	Rotor Type
45.	Air Gap <10% Variation
46.	Number of Rotor Bars
47.	Number of Broken Rotor Bars
48.	Growler Test
49.	Rotor Condition
Mechanical Inspection	
50.	Bearing Manufacture
51.	Bearing DE Size
52.	Bearing DE Type
53.	DE Bearing Qty.
54.	Bearing ODE Size
55.	Bearing ODE Type
56.	ODE Bearing Qty.
57.	Insulated Bearing
58.	Lubrication Type
59.	Grease Condition
60.	Bearing Retainers
61.	Shaft Grounding Device
62.	DE Seal
63.	DE Seal Type/Size
64.	ODE Seal
65.	ODE Seal Type/Size
Root Cause of Failure	
66.	Component Failure
67.	Cause of Failure
68.	Comments
69.	Service Technician
<div style="text-align: right;"> O.D.E bearing housing. Terrence Holland </div> <p><i>Housing fit too large and out of tolerance. Has excessive up and down play.</i></p> <p><i>Re-sleeve housing fit.</i></p> 	
Machine Fit Inspection Report	
70.	Shaft Run Out
71.	Initial Shaft Run Out
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

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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	
82.	ODE Initial Shaft Bearing Fit Size 2	
83.	ODE Initial Shaft Bearing Fit Size 3	
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	(F) Fail
	<i>ODE shaft has excessive up and down play. Bearing play is excessively loose in the housing and machine work is required.</i>	
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 Finial Endbell Seal Fit Size	
115.	Foot Flatness	
116.	Foot Condition	
117.	Flange Condition	
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
- 158. Motor Paint

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A handwritten signature in black ink, appearing to read 'Terrence Holland', is written across the top of the page.

Replaced ode bearing and re-sleeved end bell housing fit. Motor test ran good.