



AC Inspection as Found

KONE INC (10211)
5003 NORTH SHORE LANE
NORTH LITTLE ROCK, AR 72118

FolderID: 101551
FormID: 17176965

AC Inspection - Rev. 2

Location: Shop

Serial Number: 296308

Description: 6.0 HP

Hi-Speed Job Number: 101551

Manufacturer: Other

Serial Number: 296308

HP/kW: 6.0 (HP)

RPM: 1800 (RPM)

Voltage: 115/230

Current: 19.6

Phase: Three

Hz: 60 (Hz)

of Leads: 3

J-box Included: None

Date Received: 06/28/2023

Priorities Found: ● 1 - High ● 3 - Good

Overall Condition



1. Report Date

2. Nameplate Picture

P37





4. Describe the Overall Condition of the Equipment as Received

*Received Stator and d.e housing only.*5. Distance from the end of the shaft to the Coupling/Sheave **inches****Initial Mechanical/Electrical**

6. Does Shaft Turn Freely?

7. Does Shaft Have Visible Damage?

8. Assembled Shaft Runout

9. Assembled Shaft End Play

10. Air Gap Variation <10%

11. Lead Condition **(P) Pass**12. Lead Length **6 Inches**

13. Stator Temperature Detector Rating and Function

Quantity	Rating	Quantity Passed
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14. Bearing Temperature Detector Rating and Function

Quantity	Rating	Quantity Passed
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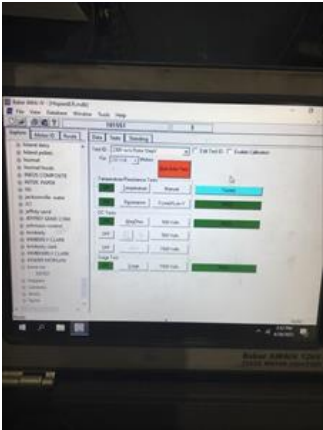
15. Frame Condition **pass**

16. Fan Condition

17. Heater Quantity, Ratings

Quantity	Volts/Watts	Pass/Fail
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18.	Broken or Missing Components		
Initial Electrical Inspection			
19.	Insulation Resistance/Megger		
20.	Winding Resistance		
	1-2	1-3	2-3
21.	Perform Surge Test	(P) Pass	P58
			
22.	Number of Stator Slots		
23.	Stator Condition		
24.	Stator Thermistors/Ohms		
25.	Stator Overloads/Ohms		
Mechanical Inspection			
26.	Drive End Bearing Brand		
27.	Drive End Bearing Number-		
28.	Drive End Bearing Qty.		
29.	Drive End Bearing Type		
30.	Drive End Lubrication Type		
31.	Drive End Bearing Insulation or Grounding Device?		
32.	Drive End Wavy Washer/Snap-Ring Other Retention Device?		
33.	Drive End Bearing Condition		
34.	Opposite Drive End Bearing Brand		
35.	Opposite Drive End Bearing Number-		
36.	Opposite Drive End Bearing Qty.		
37.	Opposite Drive End Bearing Type		
38.	Opposite Drive End Lubrication Type		
39.	Opposite Drive End Bearing Insulation or Grounding Device?		
40.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?		
41.	Opposite Drive End Bearing Condition		
42.	Drive End Seal		
43.	Opposite Drive End Seal		
44.	DE Sleeve Bearing Inside Diameter		
	0 degrees	120 degrees	240 degrees

45.	DE Sleeve Bearing Outside Diameter		
	0 degrees	120 degrees	240 degrees
46.	DE Sleeve Bearing Housing Inside Diameter		
	0 degrees	120 degrees	240 degrees
47.	DE Sleeve Bearing to Housing Clearance		
	0 degrees	120 degrees	240 degrees
48.	ODE Sleeve Bearing Inside Diameter		
	0 degrees	120 degrees	240 degrees
49.	ODE Sleeve Bearing Outside Diameter		
	0 degrees	120 degrees	240 degrees
50.	ODE Sleeve Bearing Housing Inside Diameter		
	0 degrees	120 degrees	240 degrees
51.	ODE Sleeve Bearing to Housing Clearance		
	0 degrees	120 degrees	240 degrees
Rotor Inspection			
52.	Rotor Type/Material		
53.	Growler Test		
54.	Number of Rotor Bars		
55.	Rotor Condition		
56.	List the Parts needed for the Repair Below		
57.	Signature of Technician that Disassembled Motor		
Mechanical Fits- Rotor			
58.	Shaft Runout		
59.	Rotor Runout		
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing
60.	Coupling Fit Closest to Bearing Housing		
	0 Degrees	90 Degrees	120 Degrees
61.	Coupling Fit Closest to the end of the Shaft		
	0 Degrees	60 Degrees	120 Degrees
62.	Drive End Bearing Shaft Fit		
	0 Degrees	60 Degrees	120 Degrees
63.	Drive End Bearing Shaft Fit Condition		
64.	Opposite Drive End Bearing Shaft Fit		
	0 Degrees	60 Degrees	120 Degrees
65.	Opposite Drive End Bearing Shaft Fit Condition		

66.	Shaft Air Seal Fits	
	Drive End Air Seal	Opposite Drive End Air Seal
Mechanical Fits- Bearing Housings		
67.	Drive End - Endbell Bearing Fit	
	0 Degrees	60 Degrees 120 Degrees
68.	Drive End - Endbell Bearing Fit Condition (F) Fail	
	Lip worn on.	
69.	Opposite Drive End - Endbell Bearing Fit	
	0 Degrees	60 Degrees 120 Degrees
70.	Opposite Drive End - Endbell Bearing Fit Condition (NA) Not Applicable	
71.	Bearing Cap Condition	
	Drive End Bearing Cap	Opposite Drive End Bearing Cap
72.	End Bell Air Seal Fits	
	Drive End Air Seal	Opposite Drive End Air Seal
73.	List Machine Work Needed Below Sleeve d.e housing fit.	
74.	Technician Terrence Holland	
		
Dynamic Balance Report		
75.	Rotor Weight and Balance Grade	
	Rotor Weight	Balance Grade
76.	Initial Balance Readings	
	Drive End	Opposite Drive End
77.	Final Balance Readings	
	Drive End	Opposite Drive End
78.	Technician	
Rewind		
79.	Core Test Results - Watts loss per Pound	
	Pre-Burnout	Post Burnout
80.	Core Hot Spot Test	
	Pre-Burnout	Post-Burnout
81.	Post Rewind Electrical Test- Insulation Resistance	
82.	Post Rewind Polarization Index	

83.	Post Rewind Winding Resistance		
	1-2	1-3	2-3
84.	Post Rewind Surge Test		
85.	Post Rewind Hi-Pot		
86.	Technician		
Root Cause of Failure			
87.	Failure locations		
88.	Root cause of failure		
Mechanical Fits- Rotor - Post Repair			
89.	Shaft Runout Post Repair		
90.	Rotor Runout Post Repair		
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing
91.	Coupling Fit Closest to Bearing Housing Post Repair		
	0 Degrees	90 Degrees	120 Degrees
92.	Coupling Fit Closest to the end of the Shaft Post Repair		
	0 Degrees	60 Degrees	120 Degrees
93.	Drive End Bearing Shaft Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
94.	Opposite Drive End Bearing Shaft Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
95.	Shaft Air Seal Fits Post Repair		
	Drive End Air Seal	Opposite Drive End Air Seal	
96.	Shaft Repair Sign-off		
Mechanical Fits- Bearing Housings - Post Repair			
97.	Drive End - Endbell Bearing Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
98.	Opposite Drive End - Endbell Bearing Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees
99.	Bearing Cap Condition Post Repair		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap	
100.	End Bell Air Seal Fits Post Repair		
	Drive End Air Seal	Opposite Drive End Air Seal	
101.	DE Sleeve Bearing Inside ID Post Repair		
	Measure 1	Measure 2	Measure 3

102. DE Sleeve Bearing Outside ID Post Repair			
Measure 1	Measure 2	Measure 3	
103. DE Sleeve Bearing Inside OD Post Repair			
Measure 1	Measure 2	Measure 3	
104. DE Sleeve Bearing Outside OD Post Repair			
Measure 1	Measure 2	Measure 3	
105. End Bell Repair Sign-off			
106. ODE Sleeve Bearing Inside ID Post Repair			
Measure 1	Measure 2	Measure 3	
107. ODE Sleeve Bearing Outside ID Post Repair			
Measure 1	Measure 2	Measure 3	
108. ODE Sleeve Bearing Inside OD Post Repair			
Measure 1	Measure 2	Measure 3	
109. ODE Sleeve Bearing Outside OD Post Repair			
Measure 1	Measure 2	Measure 3	
Assembly			
110. QC Check All Parts for Cleanliness Prior to Assembly			
111. Photograph All Major Components prior to assembly			
112. Final Insulation Resistance Test			
113. Assembled Shaft Endplay			
114. Assembled Shaft Runout			
115. Test Run Voltage			
Volts	Volts	Volts	
116. Test Run Amperage			
Amps	Amps	Amps	
117. Drive End Vibration Readings - Inches Per Second			
Horizontal	Vertical	Axial	
118. Opposite Drive End Vibration Readings - Inches Per Second			
Horizontal	Vertical	Axial	
119. Ambient Temperature - Fahrenheit			
120. Drive End Bearing Temps - Fahrenheit			
5 Minutes	10 Minutes	15 Minutes	
121. Drive End Bearing Temps - Fahrenheit 20-30 Minutes			
20 Minutes	25 Minutes	30 Minutes	

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122.	Drive End Bearing Temps - Fahrenheit 35-45 Minutes		
	35 Minutes	40 Minutes	45 Minutes
123.	Drive End Bearing Temps - Fahrenheit 50-60 Minutes		
	50 Minutes	55 Minutes	60 Minutes
124.	Opposite Drive End Bearing Temps - Fahrenheit		
	5 Minutes	10 Minutes	15 Minutes
125.	Opposite Drive End Bearing Temps - Fahrenheit 20-30 Minutes		
	20 Minutes	25 Minutes	30 Minutes
126.	Opposite Drive End Bearing Temps - Fahrenheit 35-45 Minutes		
	35 Minutes	40 Minutes	45 Minutes
127.	Opposite Drive End Bearing Temps - Fahrenheit 50-60 Minutes		
	50 Minutes	55 Minutes	60 Minutes
128.	Stator Temperatures- Fahrenheit		
	5 Minutes	10 Minutes	15 Minutes
129.	Stator Temperatures- Fahrenheit 20-30 Minutes		
	20 Minutes	25 Minutes	30 Minutes
130.	Stator Temperatures- Fahrenheit 35-45 Minutes		
	35 Minutes	40 Minutes	45 Minutes
131.	Stator Temperatures- Fahrenheit 50-60 Minutes		
	50 Minutes	55 Minutes	60 Minutes
132.	Document Final Condition with Pictures after paint		
133.	Final Pics and QC Review		