

Motor Shop Repairs

Job Number 97772

Prepared for 3M-Main Plant (10001)

310 Walter Road Little Rock AR 72216

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AC Recondition Repair Report

3M-Main Plant (10001) 310 Walter Road Little Rock, AR 72216

Performed By: Motor Shop LR 2 Date Completed: 3/15/2021

Priorities Found: 2 - Good

General

1. Job Number 97772

Encoder instillation: Gary Moore





Report Date 2.

Customer **3M**

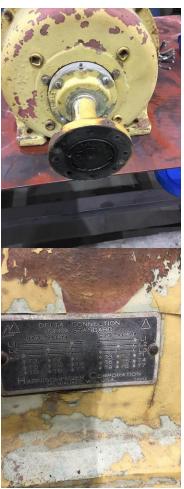
Name Plate Information

REULAND Manufacturer





















5.	Model	HLW-364	
6.	Serial Number	119013-11-E-1163	
7.	Horsepower	10	
8.	KW		
9.	Volts	440	
10.	. Amps	17.5	
11.	. RPM	865	
12.	. Frame	364	
13.	. Enclosure	TENV	
14.	. Cycles	60	
15.	. Phase		
16.	. Service Factor	3	
17.	. Motor Mount Position	F3	
Initial	I Inspection		
18.	. Number of Leads		
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		

	Shaft Run Out			
27.	Does Shaft Turn Freely			
28.	Does Shaft Have Visible Damage			
29.	Bearing Rtd's			
30.	Bearing Rtd's Condition			
31.				
32.	Frame Condition			
	Fan Condition			
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			
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			
Mecha	anical 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.	•			
64.	ODE Seal			
65.	ODE Seal Type/Size			
Root Cause of Failure				
66.	Component Failure			
67.	Cause of Failure			
69	Commonts			

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68. Comments

60	Service Technician				
Machine Fit Inspection Report					
	Shaft Run Out				
	Initial Shaft Run Out				
	Final Shaft Run Out				
	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				
81.	ODE Initial Shaft Bearing Fit Size 1				
82.	ODE Initial Shaft Bearing Fit Size 2				
	ODE Initial Shaft Bearing Fit Size 3				
	ODE Finial Shaft Bearing Fit Size 1				
	ODE Finial Shaft Bearing Fit Size 2				
	ODE Finial Shaft Bearing Fit Size 3				
	DE Air Seal Shaft Fit				
	DE Initial Air Seal Shaft Size				
	DE Final Air Seal Shaft Size				
	ODE Air Seal Shaft Fit				
	ODE Initial Air Seal Shaft Size				
	ODE Final Air Seal Shaft Size				
	DE Endbell Fit				
	DE Initial Endbell Fit Size 1				
	DE Initial Endbell Fit Size 2				
	DE Initial Endbell Fit Size 3				
	DE Final Endbell Fit Size 1				
	DE Finial Endbell Fit Size 2				
	DE Final Endbell Fit Size 3				
	DE Endbell Fit Insulated				
	DE Endbell Air Seal Fit				
	Initial Endbell Air Seal Fit Size				
	Finial Endbell Air Seal Fit Size				
	ODE Endbell Fit				
	ODE Initial Endbell Fit Size 1				
	ODE Initial Endbell Fit Size 2				
	ODE Initial Endbell Fit Size 2 ODE Initial Endbell Fit Size 3				
	ODE Final Endbell Fit Size 3 ODE Final Endbell Fit Size 1				
	ODE Final Endbell Fit Size 1 ODE Final Endbell Fit Size 2				
	ODE Final Endbell Fit Size 3				
	ODE Endbell Fit Insulated				
	ODE Endbell Air Seal Fit				
	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

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 Tes	st	(P) Pass
129. Hi-Pot		
130. Winding R	Resistance 1-2	
131. Winding R	Resistance 2-3	
132. Winding R	Resistance 1-3	

23240 Mohm





134. Test Run Amps A 13.2 Amps 456 Volts







136. Test Run Amps B 13.2 Amps 137. Test Run Voltage Phase C 458 Volts



138. Test Run Amps C	13.2 Amps
139. DE Horizontal Vibration Reading	
140. DE Vertical Vibration Reading	
141. DE Axial Vibration Reading	
142. ODE Horizontal Vibration Reading	

140 OPEN (1 1)(I) (1 P. II)	
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	(P) Pass



159. Service Technician RW





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