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

AC Recondition Repair Report

FolderID: 99272
FormID: 12632219

Arauco-Malvern MDF (10298)
1275 Willamette Rd
Malvern, AR 72104

Priorities Found: **4 - High** **11 - Good**

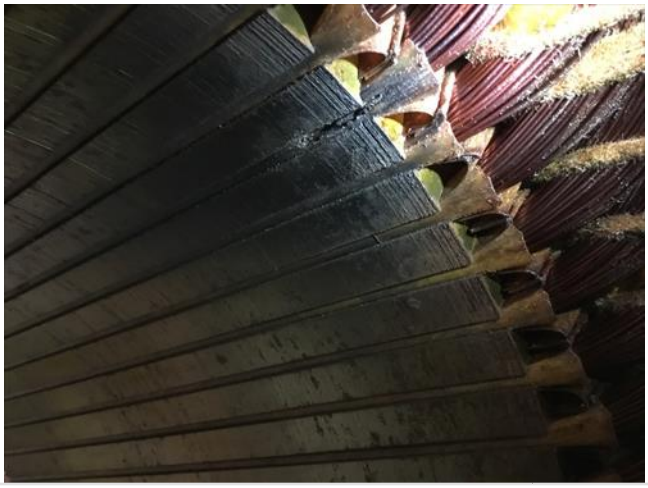
General

1.	Job Number	**99272**
2.	Report Date	**01/21/2022**
3.	Customer	**Arauco**

Name Plate Information

4.	Manufacturer	**TECO Westinghouse**

P5



5.	Model	**NP0754**
6.	Serial Number	**GXP7127305 008**
7.	Horsepower	**75**
8.	KW	
9.	Volts	**460**
10.	Amps	**85.1**
11.	RPM	**1775**
12.	Frame	**365T**
13.	Enclosure	**TEFC**
14.	Cycles	**60**
15.	Phase	**3**
16.	Service Factor	**1.15**
17.	Motor Mount Position	
Initial Inspection		
18.	Number of Leads	**12**
19.	Lead Length	**16 Inches**
20.	Lead Size	**6**
21.	Lead Condition	**(P) Pass**
22.	Lead Markings	**T1- T12**
23.	Lug Size, Condition, and Type ***5/16***	
24.	Winding RTD's	**(NA) Not Applicable**
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	**(NA) Not Applicable**
30.	Bearing Rtd's Condition	
31.	Contamination ***Grease dirty***	
32.	Frame Condition	**(P) Pass**
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	
	39.	Resistive Imbalance	
	40.	Hi-Pot	
🔴	41.	Surge Test	**(F) Fail**
	42.	Stator Condition	**rewind**
	43.	Failure Location	**ODE 1:00**
Initial Rotor Inspection			
	44.	Rotor Type	**cast aluminum**
	45.	Air Gap <10% Variation	
	46.	Number of Rotor Bars	**48**
	47.	Number of Broken Rotor Bars	
🟢	48.	Growler Test	**(P) Pass**
🟢	49.	Rotor Condition	**(P) Pass**
Mechanical Inspection			
	50.	Bearing Manufacture	
	51.	Bearing DE Size	**6313**
	52.	Bearing DE Type	
	53.	DE Bearing Qty.	
	54.	Bearing ODE Size	**6213**
	55.	Bearing ODE Type	
	56.	ODE Bearing Qty.	
	57.	Insulated Bearing	
	58.	Lubrication Type	
🔴	59.	Grease Condition	**(F) Fail**
🟢	60.	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	**stator**
	67.	Cause of Failure ***Overload***	
	68.	Comments ***Rewind, sleeve BOTH end bells, 6313, 6213***	
	69.	Service Technician	**David Maclin**

Machine Fit Inspection Report			
	70.	Shaft Run Out	
	71.	Initial Shaft Run Out	
	72.	Final Shaft Run Out	

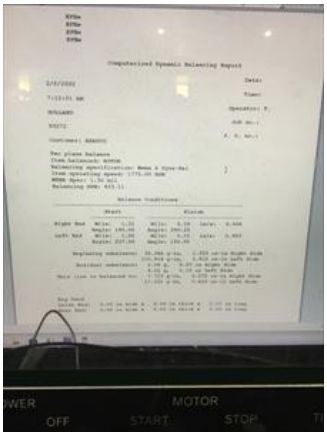
●	73.	DE Bearing Shaft Fit	**(P) Pass**	
	74.	DE Initial Shaft Bearing Fit Size 1	**2.5595 "**	
	75.	DE Initial Shaft Bearing Fit Size 2	**2.5595 "**	
	76.	DE Initial Shaft Bearing Fit Size 3	**2.5595 "**	
	77.	DE Finial Shaft Bearing Fit Size 1		
	78.	DE Finial Shaft Bearing Fit Size 2		
	79.	DE Finial Shaft Bearing Fit Size 3		
●	80.	ODE Bearing Shaft Fit	**(P) Pass**	
	81.	ODE Initial Shaft Bearing Fit Size 1	**2.5595 "**	
	82.	ODE Initial Shaft Bearing Fit Size 2	**2.5595 "**	
	83.	ODE Initial Shaft Bearing Fit Size 3	**2.5595 "**	
	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	**(F) Fail**	
	94.	DE Initial Endbell Fit Size 1	**5.5142 "**	
	95.	DE Initial Endbell Fit Size 2	**5.5143 "**	
	96.	DE Initial Endbell Fit Size 3	**5.5148 "**	
	97.	DE Final Endbell Fit Size 1	**5.5125 "**	P138

	98.	DE Finial Endbell Fit Size 2	**5.5125 "**	
	99.	DE Final Endbell Fit Size 3	**5.5125 "**	
	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**	
	105.	ODE Initial Endbell Fit Size 1	**4.7265 "**	
	106.	ODE Initial Endbell Fit Size 2	**4.7266 "**	
	107.	ODE Initial Endbell Fit Size 3	**4.7267 "**	
	108.	ODE Final Endbell Fit Size 1	**4.725 "**	P149

	109. ODE Final Endbell Fit Size 2	**4.725 "**	
	110. ODE Final Endbell Fit Size 3	**4.725 "**	
	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	**(NA) Not Applicable**	
	118. Service Technician	**David Maclin**	

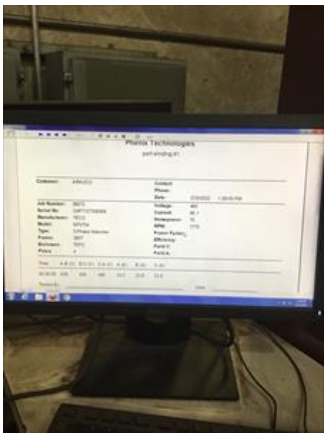
Balancing Report

	119. Balance Type	**nema standard**	P6



	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	P136



159. Service Technician **Terrence. Holland**