

AC Recondition Repair Report

ALCOA REMEDIATION

1401 BAUXITE CUTOFF BAUXITE, AR 72011

Priorities	Priorities Found: 🛑 4 - High 💦 🛑 12 - Good			
Gene	ral			
1.	Job Number	98080		
2.	Report Date	04/08/2021		
3.	Customer	ALCOA REMEDIATION		
Name	Plate Information		O	
4.	Manufacturer	U.S. MOTORS	P5	

FolderID: 98080 FormID: 10396382



















Model

KW

Volts

Amps

Cycles

Phase

11. RPM

12. Frame

5.

6. 7.

8.

9.

10.

14.

15.



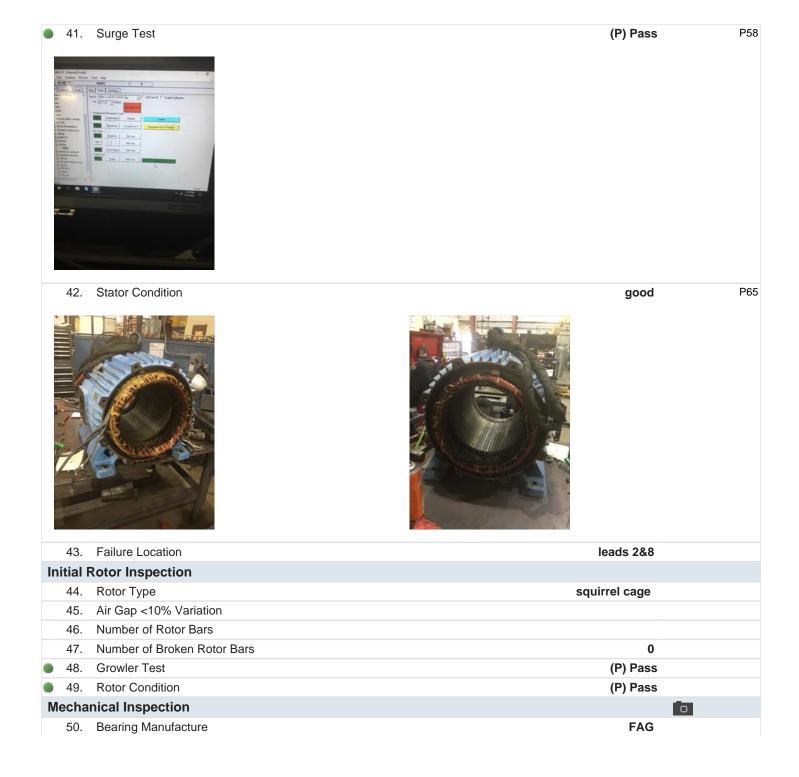




Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.

3

16.		1.15	
17.			_
	Inspection		0
	Number of Leads	6	
	Lead Length	8 Inches	
	Lead Size		
21.		(F) Fail	
-	Leads #2&8 need to be re-leaded.		
22.	5	1,2,3. 7,8,9.	
23.			
24.	6		
25.			
26.			
27.	Does Shaft Turn Freely	yes	
28.	Does Shaft Have Visible Damage	no	
29.	5		
30.	Bearing Rtd's Condition		
31.	Contamination		
	Yes. Grease contaminated.		
• 33.	Fan Condition	(F) Fail	
34.	Broken or missing components		
Initial	Electric Test		O
35.	Resistance to Ground		
36.	Winding Resistance 1-2		
37.	Winding Resistance 2-3		
38.	Winding Resistance 1-3		
39.	Resistive Imbalance		



	51.	Bearing DE Size	6220 C3	P15
	52.	Bearing DE Type	regular ball bearing	
	53.	DE Bearing Qty.	1	
	54.	Bearing ODE Size	6313 C3	P43
	55.	Bearing ODE Type	regular ball bearing	
	56.	ODE Bearing Qty.	1	
	57.	Insulated Bearing	no	
	58.	Lubrication Type	grease	
	59.	Grease Condition Dirty and contaminated	(F) Fail	
	60.	Bearing Retainers	(Y) Yes	
	61.	Shaft Grounding Device	(N) No	
	62.	DE Seal		
	63.	DE Seal Type/Size		
	64.	ODE Seal		
	65.	ODE Seal Type/Size		
R	oot C	ause of Failure		
	66.	Component Failure	leads	
	67.	Cause of Failure		
		and needs to be Replaced.	ction between leads 2&8. Also the fan assembly was cracked	
	68.	Comments		
		Stator windings surge tested good. Machine fi	s check good.	

Terrence Holland



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	3.9372 "
75.	DE Initial Shaft Bearing Fit Size 2	3.9372 "
76.	DE Initial Shaft Bearing Fit Size 3	3.9373 "
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	2.559 "
82.	ODE Initial Shaft Bearing Fit Size 2	2.5589 "
83.	ODE Initial Shaft Bearing Fit Size 3	2.5588 "
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	7.0869 "
95.	DE Initial Endbell Fit Size 2	7.0867 "
96.	DE Initial Endbell Fit Size 3	7.0867 "
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	(NA) Not Applicable
101.	DE Endbell Air Seal Fit	
102.	Initial Endbell Air Seal Fit Size	
103.	Finial Endbell Air Seal Fit Size	
104.	ODE Endbell Fit	(P) Pass
105.	ODE Initial Endbell Fit Size 1	5.5123 "
106.	ODE Initial Endbell Fit Size 2	5.5123 "
107.	ODE Initial Endbell Fit Size 3	5.5125 "
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	(NA) Not Applicable
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	Terrence. Holland
Ten Holled	

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		
Assem	bly 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		
	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		
	Temp at 10 minutes		
	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	