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

AC Recondition Repair Report

FolderID: 97942
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Reynolds Metals company
1333 highway 270
Malvern, AR 72104

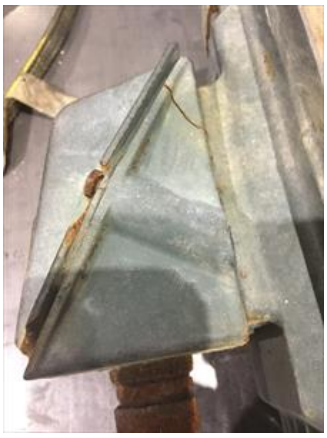
Priorities Found: **1 - High** **12 - Good**

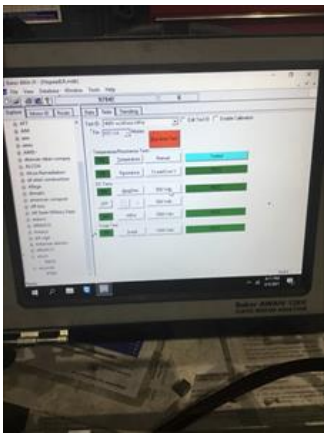
General

1.	Job Number	**97942**
2.	Report Date	**03/05/2021**
3.	Customer	**REYNOLDS CONSUMER PRODUCTS**

Name Plate Information

4.	Manufacturer	**RELIANCE**	P5





5.	Model	**TYPE: P**
6.	Serial Number	**6370902 G 002 FF**
7.	Horsepower	**7.5**
8.	KW	
9.	Volts	**460**
10.	Amps	**11**
11.	RPM	**875**
12.	Frame	**0256Y**
13.	Enclosure	**TENV**
14.	Cycles	**60**
15.	Phase	**3**
16.	Service Factor	**1.0**
17.	Motor Mount Position	

Initial Inspection

18.	Number of Leads	**3**
19.	Lead Length	**7.5 Inches**
20.	Lead Size	
21.	Lead Condition	**(P) Pass**
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	**yes**	
28.	Does Shaft Have Visible Damage	**no**	
29.	Bearing Rtd's	**(NA) Not Applicable**	
30.	Bearing Rtd's Condition	**(NA) Not Applicable**	
31.	Contamination		P104

Yes

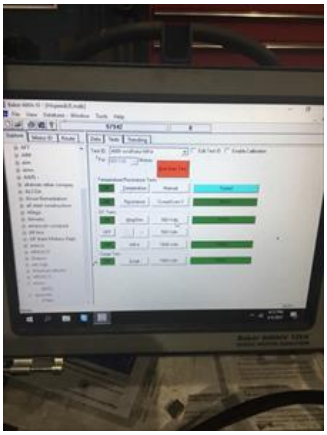
32.	Frame Condition	**(P) Pass**	
33.	Fan Condition	**(NA) Not Applicable**	
34.	Broken or missing components		P113

Connection box cracked in multiple places

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	**(P) Pass**	P58



42.	Stator Condition	**pass**	P65

43.	Failure Location	

Initial Rotor Inspection

44.	Rotor Type	**squirrel cage**
45.	Air Gap <10% Variation	
46.	Number of Rotor Bars	
47.	Number of Broken Rotor Bars	
48.	Growler Test	
49.	Rotor Condition	**(P) Pass**

Mechanical Inspection

50.	Bearing Manufacture	**FAG**	P1

51.	Bearing DE Size	**6316 ZR. C3**	
52.	Bearing DE Type	**regular ball bearing**	
53.	DE Bearing Qty.	**1**	
54.	Bearing ODE Size	**6316 ZR. 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	**(F) Fail**	P74

Watery/dirty

60.	Bearing Retainers	**(Y) Yes**	P80

61.	Shaft Grounding Device	**(NA) Not Applicable**
62.	DE Seal	
63.	DE Seal Type/Size	
64.	ODE Seal	
65.	ODE Seal Type/Size	

Root Cause of Failure

66.	Component Failure	**Bearings**
67.	Cause of Failure ***Bearing grease contaminated.***	
68.	Comments	
69.	Service Technician	

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	
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	
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	**(P) Pass**
94.	DE Initial Endbell Fit Size 1	**6.6929 "**
95.	DE Initial Endbell Fit Size 2	**6.693 "**
96.	DE Initial Endbell Fit Size 3	**6.6929 "**
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	**(P) Pass**
105.	ODE Initial Endbell Fit Size 1	**6.693 "**
106.	ODE Initial Endbell Fit Size 2	**6.6929 "**
107.	ODE Initial Endbell Fit Size 3	**6.6931 "**
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	**(NA) Not Applicable**
116.	Foot Condition	**(NA) Not Applicable**
117.	Flange Condition	**(P) Pass**
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
159.	Service Technician