

# EVERY DAY SINCE 1946

**Motor Shop Repairs** 

## Job Number 97906

Prepared for ConAgra (10859-CON)

3100 E. Main St. Russellville AR 72801

## Table of Contents

AC Recondition Repair Report



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

RAM

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### **AC Recondition Repair Report**

#### **ConAgra (10859-CON)** 3100 E. Main St.

Russellville, AR 72801

Priorities Found: 🛑 10 - High	🍥 9 - Good	
General		
1. Job Number		
2. Report Date	3/1/2021	
3. Customer	CONAGRA FOODS	
Name Plate Information		

4. Manufacturer









5.	Model	W2000066911
6.	Serial Number	
7.	Horsepower	957
8.	KW	
9.	Volts	4000

10.	Amps	122
11.	RPM	3585
12.	Frame	5810
13.	Enclosure	ODP
14.	Cycles	60
15.	Phase	3
16.	Service Factor	1.15
17.	Motor Mount Position	f2
Initial	Inspection	
18.	Number of Leads	3
19.	Lead Length	36 Inches
20.	Lead Size	1
21.	Lead Condition	(P) Pass



22.	Lead Markings	1 2 3
23.	Lug Size, Condition, and Type	
	#2 copper	
24.	Winding RTD's	
25.	Winding Rtd's Condition	
26.	Shaft Run Out	0.001
27.	Does Shaft Turn Freely	yes
28.	Does Shaft Have Visible Damage	no



#### 29. Bearing Rtd's

#### 30. Bearing Rtd's Condition

31. Contamination Full of grease and dirt





32. Frame ConditionFoot is broken

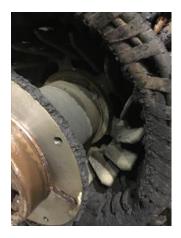


33. Fan Condition



(F) Fail

(P) Pass



34. Broken or missing components Foot broken off frame

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

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(F) Fail

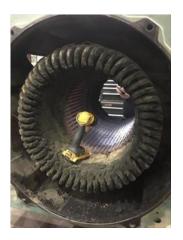
rewind

#### 43. Failure Location





Initial Rotor Inspection44.Rotor Type







	45.	Air Gap <10% Variation	
	46.	Number of Rotor Bars     41	
	47.	Number of Broken Rotor Bars 0	
	48.	Growler Test (P) Pass	
	49.	Rotor Condition (P) Pass	
Μ	echa	anical Inspection	

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Printed on 3/2/2021

50.	Bearing Manufacture	skf	
	Bearing DE Size	6316 c3s1	
52.	Bearing DE Type	ball	
53.	DE Bearing Qty.	1	
54.	Bearing ODE Size	6316 c3s1	
55.	Bearing ODE Type	ball	
56.	ODE Bearing Qty.	1	
57.	Insulated Bearing	no	
58.	Lubrication Type	grease	
<b>9</b> 59.	Grease Condition	(F) Fail	
-	Contaminated with dirt		
60.	Bearing Retainers	(Y) Yes	



9 61.	Shaft Grounding Device	(N) No
62.	DE Seal	(N) No
63.	DE Seal Type/Size	
64.	ODE Seal	(N) No
65.	ODE Seal Type/Size	
Root	Cause of Failure	
66.	Component Failure	bearings and windings
67.	Cause of Failure	
	Contamination caused windings to short. Bearings normal wear and conta	amination.
68.	Comments	
69.	Service Technician	Trevor Hall
	7-71/	Trevor Hall
Machi	nine Fit Inspection Report	
Machi	7-71/	Trevor Hall (P) Pass
Machi	nine Fit Inspection Report	
<b>Machi</b> ● 70.	nine Fit Inspection Report Shaft Run Out Initial Shaft Run Out	(P) Pass
Machi 70. 71.	ine Fit Inspection Report Shaft Run Out Initial Shaft Run Out Final Shaft Run Out	(P) Pass
<b>Machi</b> 70. 71. 72.	ine Fit Inspection Report         Shaft Run Out         Initial Shaft Run Out         Final Shaft Run Out         DE Bearing Shaft Fit	(P) Pass 0.001 "

76.	DE Initial Shaft Bearing Fit Size 3	3.1497 "
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
	ODE Initial Shaft Bearing Fit Size 1	3.1496 "
82.	-	3.1497 "
83.	ODE Initial Shaft Bearing Fit Size 3	3.1497 "
	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	
92.		
-	DE Endbell Fit	(P) Pass
-	DE Initial Endbell Fit Size 1	6.6938 "
95.	DE Initial Endbell Fit Size 2	6.694 "
96.	DE Initial Endbell Fit Size 3	6.6939 "
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	(N) No
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	6.695 "
106.	ODE Initial Endbell Fit Size 2	6.6952 "
107.	ODE Initial Endbell Fit Size 3	6.6952 "
108.	ODE Final Endbell Fit Size 1	
109.	ODE Final Endbell Fit Size 2	
110.	ODE Final Endbell Fit Size 3	
	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	(F) Fail
	Broken	
116.	Foot Condition	(F) Fail
	Broken	
117.	Flange Condition	
	Service Technician	Trevor Hall

- /M

#### **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

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158. Motor Paint

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



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