

AC Inspection as Found Peco Foods 625 S. Allen Street

Batesville, AR 72501

FolderID: 102854 FormID: 20233519

	AC Inspection	- Rev. 2		Hi-Speed Job Number:	102854	
	Location:	Shop		Manufacturer:	Other	
	Serial Number:	160993702	22	Spec/ID #:	851470TR	
	Description:HO	WDEN ROTA	RY BLOWER	Serial Number:	1609937022	
				# of Leads:	Other	
				J-box Included:	None	
				Coupling/Sheave:	Gear	
				Date Received:	04/29/2024	
				Bearing RTDs:	No	
				Stator RTDs:	No	
				Repair Stage:	Final	
				Rewind:	No	
				Shaft Machined Fit Repairs Required:	No	
				Bearing Housing Machined Fit Repairs Required:	No	
				Heaters:	No	
				Bearing Type:	Rolling Element	
Ρ	rioritiesFound: 🥚) 2 - High	🔵 9 - Good			
(Overall Condi	tion				O
	1. Report	Date				05/15/2023
	2. Namep	late Picture				
	Veral Numer Model Designation Technical File TF2015-002 Veral Numer Model Designation Technical File TF2015-002 Veral Numer Numer Roberts Veral Numer Roberts Veral Nume	Howder Roots TM Rotary Lobe Blower				

Photos of all six sides of the machine. 3.

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4.	Describe the Overall Condition of	the Equipment as Received			
	Rusted				
5.	Distance from the end of the shaft	t to the Coupling/Sheave		inches	
	Na				
Initial I	lechanical/Electrical				
6.	Does Shaft Turn Freely?			(N) No	
• 7.	Does the shaft require T.I.R in Lat	the to identify additional repairs?		(Yes) Yes	
	Seal surface repair.				
8.	Does Shaft Have Visible Damage	?		(No) No	
9.	Assembled Shaft Runout			Inches	
	Na				
10.	Assembled Shaft End Play			inches	
-	Na				
11.	Air Gap Variation <10%				
-	Na				
12.	Lead Condition			(NA) Not Applicable	
13.	Lead Length			Inches	
	Na				
14.	Does it have Lugs?, If so what is t	the Stud Size?		(No) No	
15.	Lead Numbers				
	Na				
16.	Frame Condition			rusted	
17.	Fan Condition			(N) NA	
18.	Broken or Missing Components				
	3 ea bearings were missing locking	miniature ball bearings that fit in bearing	ng grooves.		
Initial I	Electrical Inspection				0
19.	Insulation Resistance/Megger			Megohms	
	Na				
20.	Winding Resistance				
	1-2	1-3	2-3		
	Na				
21.	Perform Surge Test			(NA) Not Applicable	
22.	Number of Stator Slots				
	Na				

23.	Stator Condition	rusted	P84
	Requires extensive cleaning		
24.	Stator Thermistors/Ohms		
25	Na Stator Ovorloads/Obms		
23.	Na		
Mecha	nical Inspection		O
26.	Drive End Bearing Brand	Romania ENSO URB	
27.	Drive End Bearing Number-	NJ311 EN1C3SO	
28.	Drive End Bearing Qty.		
	2		
29.	Drive End Bearing Type	(Roller) Roller Bearing	
30.	Drive End Lubrication Type	(Oil) Oil Lubricated	
31.	Drive End Bearing Insulation or Grounding Device?		
32.	Drive End Wavy Washer/Snap-Ring Other Retention De	vice? wavy washers	
33.	Drive End Bearing Condition	rusted	P82
34.	Opposite Drive End Bearing Brand	Romania ENSO URB	
35.	Opposite Drive End Bearing Number-	NJ311 EN1C3SO	
36.	Opposite Drive End Bearing Qty.	2	
37.	Opposite Drive End Bearing Type	(Roller) Roller Bearing	

39.	Opposite Drive End Bearing Insulation or Grounding Device?		
	None		
40.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	wavy washers	
41.	Opposite Drive End Bearing Condition	rusted	P118
	A A A A A A A A A A A A A A A A A A A		
42.	Drive End Seal		
-	2) CR 29841 Viton seals 1) 19839 Viton seal		
43.	Opposite Drive End Seal	2) 29841 Viton seals	
Rotor	Inspection		0
44.	Rotor Type/Material		
	Blower rotors.		
45.	Growler Test		
	Na		
46.	Number of Rotor Bars		
	Na		
47.	Rotor Condition	rusted	
48.	List the Parts needed for the Repair Below		P47
	See photo		
A BERMAN I CR 29 SM I CR 29 SM I CR 29 SM I CR 1931 I CR 1932 I CR 1932 I CR 1937 I CR 1937	representation and representatio		

	49.	Signature of Technician that Disa	ssembled Motor	Terrence. Holland	
		T)/ //			
	/	- HU			
	/-		/		
	-	Witness:RRW			
N	lecha	nical Fits- Rotor			
	50.	Shaft Runout		0.002 inches	
	51.	Rotor Runout			
		Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing	
		5	5		
		Na			
	52.	Coupling Fit Closest to Bearing H	ousing		
		0 Degrees	90 Degrees	120 Degrees	
	Ψ	Na			
	53.	Coupling Fit Closest to the end of	the Shaft		
		0 Degrees	60 Degrees	120 Degrees	
		Na			
	54.	Drive End Bearing Shaft Fit			
		0 Degrees	60 Degrees	120 Degrees	
	-	2.1663, 2.1661, 2.1663 (rotor1) 2.1664, 2.1663, 2.1664 (rotor2)			
	55.	Drive End Bearing Shaft Fit Cond	ition	(P) Pass	
	56.	Opposite Drive End Bearing Shaf	t Fit		
		0 Degrees	60 Degrees	120 Degrees	
		2.1661, 2.1662, 2.1662 (rotor1) 2.1662, 2.1661, 2.1662 (rotor2)			
	57.	Opposite Drive End Bearing Shaf	t Fit Condition	(P) Pass	
	58.	Shaft Air Seal Fits			
		Drive End Air Seal	Opposite Drive End Air Seal		
	•	Na			
N	lecha	nical Fits- Bearing Housings			0
	59.	Drive End - Endbell Bearing Fit			
		0 Degrees	60 Degrees	120 Degrees	
	•	4.7256, 4.7256, 4.7254 (Right side) 4.7254, 4.7255, 4.7255 (Left side)			
	60.	Drive End - Endbell Bearing Fit C	ondition	(P) Pass	
	61.	Opposite Drive End - Endbell Bea	aring Fit		
		0 Degrees	60 Degrees	120 Degrees	
	•	4.7254, 4.7255, 4.7255 (Right side) 4.7250, 4.7252, 4.7253 (Left side)			



Entire oil basin on both ends contained nothing but water. Unit is completely coated internally with rust.





nic Balance Report				
Rotor Weight and Balance Grade				
Rotor Weight	Balance Grade			
Initial Balance Readings				
Drive End	Opposite Drive End			
Final Balance Readings				
Drive End	Opposite Drive End			
Technician				
nbly			o	
QC Check All Parts for Cleanlines	ss Prior to Assembly	Terrence Holland	P4	
L-Jll-				
	hic Balance Report Rotor Weight and Balance Grade Rotor Weight Initial Balance Readings Drive End Final Balance Readings Drive End Technician hbly QC Check All Parts for Cleanlines	hic Balance Report Rotor Weight and Balance Grade Rotor Weight Balance Grade Initial Balance Readings Drive End Opposite Drive End Final Balance Readings Drive End Opposite Drive End Rotor Weight Go C Check All Parts for Cleanliness Prior to Assembly Add Add Add Add Add Add Add Add Add Ad	Rotor Weight and Balance Grade Rotor Weight Balance Grade Initial Balance Readings Drive End Opposite Drive End Final Balance Readings Drive End Opposite Drive End Final Balance Readings Drive End Opposite Drive End Technician Drive End Opposite Drive End C Check All Parts for Cleanliness Prior to Assembly Terrence Holland	



























74. Photograph All Major Components prior to assembly

Polished seal services. Gary





75.	Final Insulation Resistance Test		Megohms	
76.	Assembled Shaft Endplay		inches	
77.	Assembled Shaft Runout		inches	
78.	Test Run Voltage			
	Volts	Volts	Volts	
79.	Test Run Amperage			
	Amps	Amps	Amps	
80.	Drive End Vibration Readings - In	iches Per Second		
	Horizontal	Vertical	Axial	
81.	Opposite Drive End Vibration Rea	adings - Inches Per Second		
	Horizontal	Vertical	Axial	
82.	Ambient Temperature - Fahrenhe	it		
83.	Drive End Bearing Temps - Fahre	enheit		
	5 Minutes	10 Minutes	15 Minutes	
0.4				

84. Opposite Drive End Bearing Temps - Fahrenheit

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 85. Stator Temperatures-Fahrenheit 5 Minutes 10 Minutes 15 Minutes 		5 Minutes	10 Minutes	15 Minutes	
 86. Document Final Condition with Pictures after paint 87. Final Pics and QC Review Winess DM Winess DM 	85.	Stator Temperatures- Fahrenhe 5 Minutes	it 10 Minutes	15 Minutes	
87. Final Pics and QC Review Terrence Holland P131 Terrence Holland Villes Wirress DM Wirress DM Wirress DM Wirress DM	86.	Document Final Condition with	Pictures after paint		
<section-header></section-header>	87.	Final Pics and QC Review	U	Terrence H	lolland P131
				<image/>	