

870183882.06.06.001

AC Inspection as Found Custom Craft Poultry

Shop

Description:SEW GEARMOTOR 1800RPM

3064 E Main St

AC Inspection - Rev. 2

Batesville, AR 72501

Serial Number:

Location:

160M

FolderID: 101955 FormID: 18100027

101955 Hi-Speed Job Number: Manufacturer: SEW Eurodrive R107DV160M4-KS **Product Number:** Serial Number: 870183882.06.06.001 RPM: 1740 (RPM) Frame: 160M Phase: Three Hz: 60 (Hz) Enclosure: TEFC J-box Included: Complete Coupling/Sheave: Gear **Bearing RTDs:** No Stator RTDs: No Final **Repair Stage:** Heaters: No Winding Type : Random Wound **Bearing Type: Rolling Element**

Priorities Found: **5 - High**

🔵 3 - Good

Overall Condition

- 1. Report Date
- 2. Nameplate Picture



3. Photos of all six sides of the machine.

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P45

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P37







































- 4. Describe the Overall Condition of the Equipment as Received *Rusted and dirty.*
- 5. Distance from the end of the shaft to the Coupling/Sheave



0 inches

P72



In	Initial Mechanical/Electrical			o
	6.	Does Shaft Turn Freely?	(No) No	
	7.	Does Shaft Have Visible Damage?	(No) No	
	8.	Assembled Shaft Runout	0.002 Inches	
	9.	Assembled Shaft End Play		
	10.	Air Gap Variation <10%		
	11.	Lead Condition	(F) Fail	P55
	.	Multiple lead connection terminal posts broken.		



12.	Lead Length	6 Inches	
13.	Lead Numbers	1-9	
14.	Frame Condition	pass	
15.	Fan Condition	(F) Fail	P96
.	Missing		



























16. Broken or Missing Components

Connection block terminals broken, fan assembly missing, and ode housing broken and multiple gears stripped from wear.



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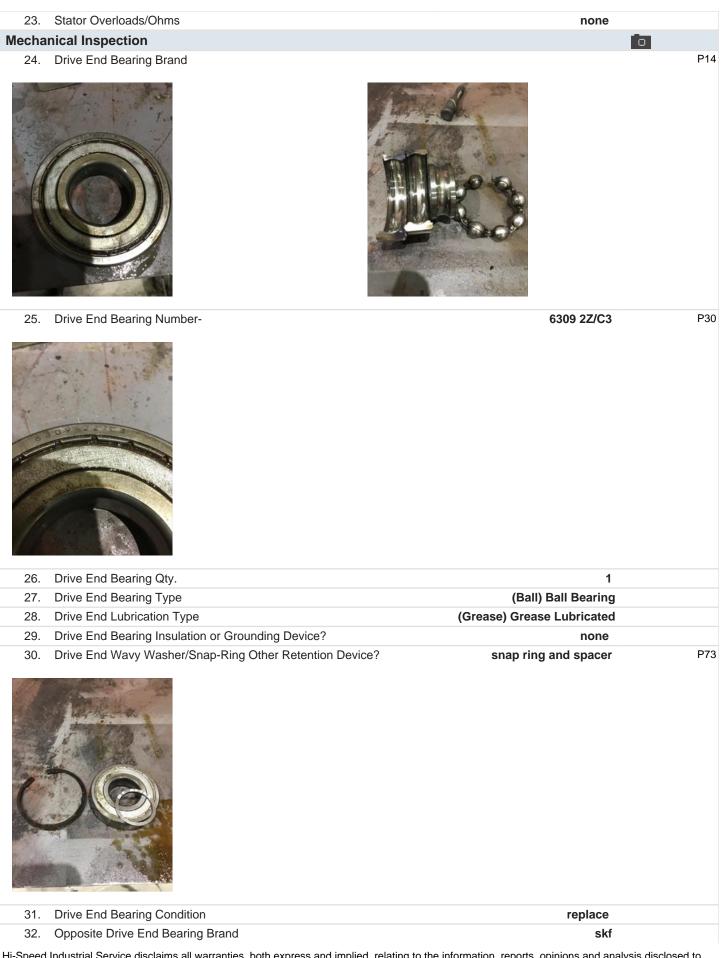


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P100

multiple





33. Opposite Drive End Bearing Number-

Opposite Drive End Bearing Qty.



34.



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6209 2rs

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35.	Opposite Drive End Bearing Type	(Ball) Ball Bearing	
36.	Opposite Drive End Lubrication Type	(Grease) Grease Lubricated	
37.	Opposite Drive End Bearing Insulation or Grounding Device?	none	
38.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	wavy washer	P99
39.	Opposite Drive End Bearing Condition	replace	
40.	Drive End Seal	40*62*7	P102
41.	Opposite Drive End Seal	45*62*8	P103

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	51.	Coupling Fit Closest to the end of	the Shaft				
		0 Degrees	60 Degrees	120 Degrees			
	52.	Drive End Bearing Shaft Fit					
		0 Degrees	60 Degrees	120 Degrees			
		1.7722	1.7722	1.7722			
	53.	Drive End Bearing Shaft Fit Condi	tion	(P) Pass			
	54.	Opposite Drive End Bearing Shaft	Fit				
		0 Degrees	60 Degrees	120 Degrees			
		1.7716	1.7717	1.7716			
	55.	Opposite Drive End Bearing Shaft	Fit Condition	(F) Fail			
	56.	Shaft Air Seal Fits					
		Drive End Air Seal	Opposite Drive End Air Seal				
M	echai	nical Fits- Bearing Housings					
	57.	Drive End - Endbell Bearing Fit					
		0 Degrees	60 Degrees	120 Degrees			
		3.9376	3.9375	3.9375			
	58.	Drive End - Endbell Bearing Fit Co	ondition				
	59.	Opposite Drive End - Endbell Bea	ring Fit				
		0 Degrees	60 Degrees	120 Degrees			
		3.3477	3.3478	3.3478			
	60.	Opposite Drive End - Endbell Bea	ring Fit Condition	(F) Fail			
	61.	0					
		Drive End Bearing Cap	Opposite Drive End Bearing Cap				
	-						
	62.	End Bell Air Seal Fits					
		Drive End Air Seal	Opposite Drive End Air Seal				
	62	List Mashing Work Needed Delaw					
	63.	List Machine Work Needed Below ODE housing fit worn beyond limits					
	64.	Technician	•	Terrence Holland			
	04.			Terrence Honand			
	-						
	/	HAL.					
	/-		— /				
		1					
•	Dumentia Delence Devent						
Dy		ic Balance Report					
	65.	Rotor Weight and Balance Grade					
		Rotor Weight	Balance Grade				
	66	Initial Dalamaa Daadiaaa					
	66.	Initial Balance Readings					
	66.	Initial Balance Readings Drive End	Opposite Drive End				

67.	Final Balance Readings				
	Drive End	Opposite Drive End			
68.	Technician				
Rewin	d				
69.	Core Test Results - Watts loss pe	er Pound			
	Pre-Burnout	Post Burnout			
70.	Core Hot Spot Test				
	Pre-Burnout	Post-Burnout			
71.	Post Rewind Electrical Test- Insu	lation Resistance			
72.	Post Rewind Polarization Index				
73.	Post Rewind Winding Resistance				
	1-2	1-3	2-3		
74.	Post Rewind Surge Test				
75.	Post Rewind Hi-Pot				
76.	Technician				
	Cause of Failure				
77.	Failure locations				
	Ode housing broken and needs re-	or shaft output gear worn. Connection l sleeved. Fan assembly missing.	box mount block needs replacing.		
78.	Root cause of failure				
Mecha	nical Fits- Rotor - Post Repai	r			
79.	Shaft Runout Post Repair				
80.	Rotor Runout Post Repair				
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing		
81.	Coupling Fit Closest to Bearing H	÷ .	400 5		
	0 Degrees	90 Degrees	120 Degrees		
82.	Coupling Fit Closest to the end o	f the Shoft Deet Depair			
02.	0 Degrees		120 Degrees		
	0 Degrees	60 Degrees	120 Degrees		
83.	Drive End Bearing Shaft Fit Post	Renair			
00.	0 Degrees	60 Degrees	120 Degrees		
	0 Degrees	of Degrees	120 Degrees		
84.	84. Opposite Drive End Bearing Shaft Fit Post Repair				
-	0 Degrees	60 Degrees	120 Degrees		
85.	Shaft Air Seal Fits Post Repair				
	Drive End Air Seal	Opposite Drive End Air Seal			
86.	Shaft Repair Sign-off				
Mecha	nical Fits- Bearing Housings	- Post Repair			

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87.	Drive End - Endbell Bearing Fit Po	ost Repair		
	0 Degrees	60 Degrees	120 Degrees	
88.	Opposite Drive End - Endbell Bea	ring Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees	
89.	Bearing Cap Condition Post Repa	ir		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap		
	5 1			
90.	End Bell Air Seal Fits Post Repair			
	Drive End Air Seal	Opposite Drive End Air Seal		
91.	End Bell Repair Sign-off			
Assem				
92.	QC Check All Parts for Cleanlines	s Prior to Assembly		
93.	Photograph All Major Components			
94.	Final Insulation Resistance Test			
95.	Assembled Shaft Endplay			
	Assembled Shaft Runout			
	Test Run Voltage			
0.11	Volts	Volts	Volts	
	Volto	Volto	Volto	
98.	Test Run Amperage			
	Amps	Amps	Amps	
	, inpo	741120	, inpo	
99.	Drive End Vibration Readings - Ind	ches Per Second		
	Horizontal	Vertical	Axial	
	honzontai	Venteal	AAIdi	
100	Opposite Drive End Vibration Rea	dings - Inches Per Second		
100.	Horizontal	Vertical	Axial	
	honzontai	Venical		
101	Ambient Temperature - Fahrenhei	it .		
	Drive End Bearing Temps - Fahrenheit			
102.	5 Minutes	10 Minutes	15 Minutes	
	5 Millutes	10 Millules	15 Minutes	
103.	Opposite Drive End Bearing Temps - Fahrenheit			
103.			15 Minutes	
	5 Minutes	10 Minutes	15 Minutes	
104.		ctures after paint		
105.	Final Pics and QC Review			