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

AC Recondition Repair Report

FolderID: 98055
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Kordsmeier (10022)
118 Harkrider
Conway, AR 72032

Priorities Found: **2 - High** **11 - Good**

General

1.	Job Number	**98055**	
2.	Report Date	**05/04/2021**	
3.	Customer	**Kordsmier**	P25

Name Plate Information

4.	Manufacturer	**SILVESTRI**






5.	Model	
6.	Serial Number	**18978**
7.	Horsepower	**3**
8.	KW	
9.	Volts	
10.	Amps	**5.75 Amps**
11.	RPM	**1680**
12.	Frame	
13.	Enclosure	**TEFC**
14.	Cycles	**60**

15.	Phase	**3**	
16.	Service Factor		
17.	Motor Mount Position		

Initial Inspection

18.	Number of Leads	**12**	
19.	Lead Length	**9 Inches**	
20.	Lead Size	**20**	
21.	Lead Condition		
22.	Lead Markings	**1-12**	
23.	Lug Size, Condition, and Type		
24.	Winding RTD's		
25.	Winding Rtd's Condition		
26.	Shaft Run Out		
27.	Does Shaft Turn Freely	**no**	
28.	Does Shaft Have Visible Damage		
29.	Bearing Rtd's		
30.	Bearing Rtd's Condition		
31.	Contamination		
32.	Frame Condition	**(P) Pass**	P106

33.	Fan Condition		P109

34.	Broken or missing components		

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	**(F) Fail**	
	42.	Stator Condition	**good**	
	43.	Failure Location		
Initial Rotor Inspection				
	44.	Rotor Type	**laminate squirrel cage**	
	45.	Air Gap <10% Variation		
	46.	Number of Rotor Bars		
	47.	Number of Broken Rotor Bars		
🟢	48.	Growler Test	**(P) Pass**	
🟢	49.	Rotor Condition	**(P) Pass**	
Mechanical Inspection				
	50.	Bearing Manufacture	**skf**	P1

	51.	Bearing DE Size	**6206**	
	52.	Bearing DE Type	**regular ball bearing**	
	53.	DE Bearing Qty.	**1**	
	54.	Bearing ODE Size	**6206**	
	55.	Bearing ODE Type	**regular ball bearing**	P53

	56.	ODE Bearing Qty.	**1**	

	57.	Insulated Bearing	**no**
	58.	Lubrication Type	**grease**
🔴	59.	Grease Condition	**(F) Fail**
	60.	Bearing Retainers	**(NA) Not Applicable**
	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	**D.E. bearing.**
	67.	Cause of Failure	
		Bearing cage failure caused by contaminated grease. Windings check bad and require a rewind.	
	68.	Comments	
	69.	Service Technician	**Terrence Holland**

Machine Fit Inspection Report

	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	**1.1814 "**
	75.	DE Initial Shaft Bearing Fit Size 2	**1.1812 "**
	76.	DE Initial Shaft Bearing Fit Size 3	**1.1813 "**
	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	**1.1811 "**
	82.	ODE Initial Shaft Bearing Fit Size 2	**1.181 "**
	83.	ODE Initial Shaft Bearing Fit Size 3	**1.181 "**
	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	**2.441 "**
	95.	DE Initial Endbell Fit Size 2	**2.4413 "**
	96.	DE Initial Endbell Fit Size 3	**2.4413 "**

	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	**2.4406 "**
	106.	ODE Initial Endbell Fit Size 2	**2.4406 "**
	107.	ODE Initial Endbell Fit Size 3	**2.4406 "**
	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**

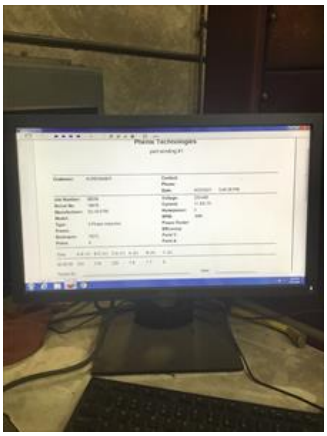
Balancing Report

	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	**(P) Pass**	P136



159. Service Technician **Terrence. Holland**