

AC Inspection as Found Welspun Tubular (11685) 9301 Frazier Pike

FolderID: 104556 FormID: 24332439

AC Inspection	- Rev. 2		Hi-Speed Job Number:	104556
Location:	LR MOTOR SI	HOP	Manufacturer:	Siemens
Serial Number:	UD1206/14560	097-001-1	Product Number:	1LE15231EB290JZ4
Description:18.6	KW NEMA		Serial Number:	UD1206/1456097-001-1
			HP/kW:	18.6 (kW)
			RPM:	1775 (RPM)
			Frame:	60034
			Voltage:	480
			Current:	29.5 (Amps)
			Phase:	Three
			Hz:	60 (Hz)
			Service Factor:	1.15
			Enclosure:	TEFC
			# of Leads:	6
			J-box Included:	Complete
			Coupling/Sheave:	None
			Bearing RTDs:	No
			Stator RTDs:	No
			Repair Stage:	Final
			Rewind:	Yes
			Shaft Machined Fit Repairs Required:	No
			Bearing Housing Machined Fit Repairs Required:	Yes
			Heaters:	No
			Winding Type :	Random Wound
			Bearing Type:	Rolling Element
oritiesFound: 🔴	2 - High	🔵 13 - Good		

Overall Condition

1. Report Date 05/14/2025

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3. Photos of all six sides of the machine.









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P37

P45











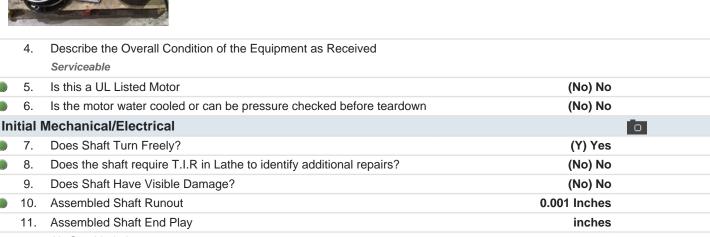












12. Air Gap Variation <10%

13.	Lead Condition	(P) Pass	P69
• 13.	Lead Condition	(P) Pass	P69
	Lead Length	8 Inches	
	Does it have Lugs?, If so what is the Stud Size?	(Yes) Yes	
	Connection block installed.		Doo
	Lead Numbers U1-V1-W1	1-6	P99
-	U2-V2-W2		
17.	Are the Leads insulated with Chico or other material	(No) No	
	Frame Condition	pass	
	Fan Condition	(P) Pass	P119
20.	Does motor have internal fan?	(No) No	

21.	• ·	DE snap ring	_
	Electrical Inspection		O
22.	Insulation Resistance/Megger	Megohms	
23.	Winding Resistance		P20
	1-2	1-3 2-3	
-	Motor windings blown in slot.		
24.	Perform Surge Test	(NA) Not Applicable	P57
25.	Number of Stator Slots	36	
26.	Stator Condition	pass	
27.	Stator Thermistors/Ohms		
28.	Stator Overloads/Ohms	.3	
Mecha	nical Inspection		0
29.	Drive End Bearing Brand	ORS	
30.	Drive End Bearing Number-	6210 C3	
31.	Drive End Bearing Qty.	1	

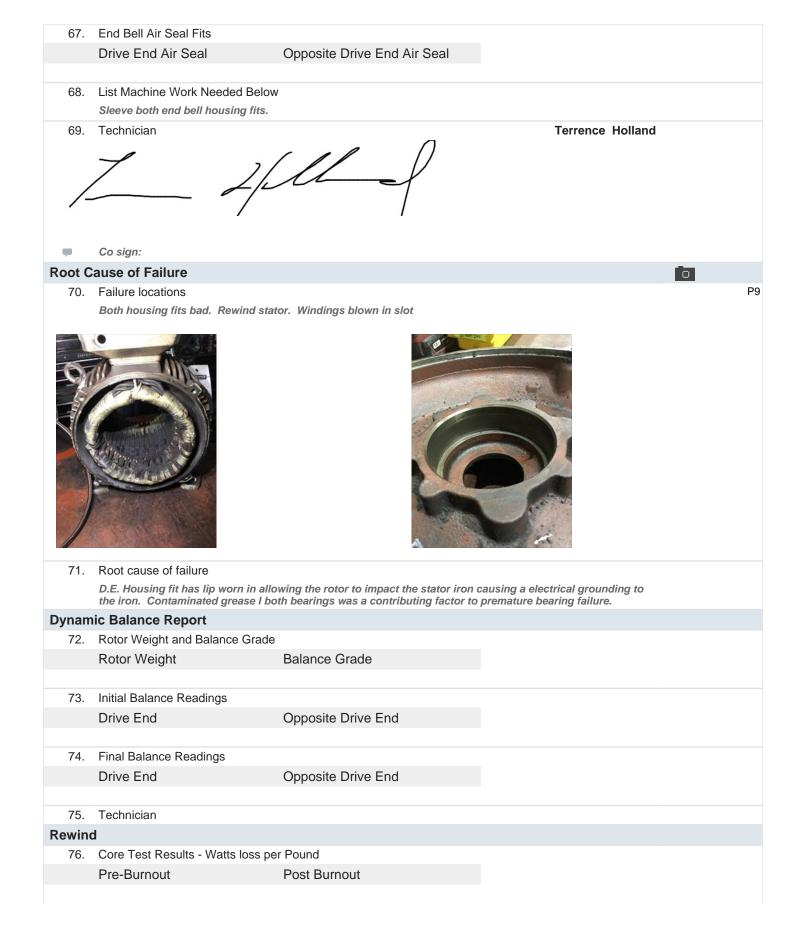
32.	Drive End Bearing Type	(Ball) Ball Bearing	P51
33.	Drive End Lubrication Type	(Grease) Grease Lubricated	
34.	Drive End Bearing Insulation or Grounding Device?	none	
35.	Drive End Wavy Washer/Snap-Ring Other Retention Device? Wavy washer broken	wavy washer	P77
36.	Drive End Bearing Condition	worn	
37.	Opposite Drive End Bearing Brand	ORS	
38.	Opposite Drive End Bearing Number-	6210 C3	
39.	Opposite Drive End Bearing Qty.	1	
40.	Opposite Drive End Bearing Type	(Ball) Ball Bearing	P110
41.	Opposite Drive End Lubrication Type	(Grease) Grease Lubricated	

41. Opposite Drive End Lubrication Type

(Grease) Grease Lubricated

42.				
		nsulation or Grounding Device?	none	
43.		asher/Snap-Ring Other Retention Device?	two snap rings	
44.	Opposite Drive End Bearing (Condition	worn	
45.	Drive End Seal		dust seal	
46.	Opposite Drive End Seal		dust seal	
	nspection			O
47.	Rotor Type/Material		(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast	P3
48. 49. 50.	Growler Test Number of Rotor Bars Rotor Condition		(Pass) Pass 28 pass	
		Repair Below	•	
-	2) 6210 C3 bearings			
52.	Signature of Technician that I	Disassembled Motor	Terrence Holland	
Mecha	nical Fits- Rotor			
53.	Shaft Runout		0.001 inches	
53.			0.001 inches	
53.		Rotor Body	0.001 inches Opposite Drive End Bearing	
53.	Rotor Runout	Rotor Body		
53.	Rotor Runout			
53. 54.	Rotor Runout Drive End Bearing Fit			
53. 54.	Rotor Runout Drive End Bearing Fit Coupling Fit Closest to Bearing	ng Housing	Opposite Drive End Bearing	
53. 54.	Rotor Runout Drive End Bearing Fit Coupling Fit Closest to Bearing	ng Housing 90 Degrees	Opposite Drive End Bearing	
53. 54. 55.	Rotor Runout Drive End Bearing Fit Coupling Fit Closest to Bearin 0 Degrees	ng Housing 90 Degrees	Opposite Drive End Bearing	
53. 54. 55.	Rotor Runout Drive End Bearing Fit Coupling Fit Closest to Bearing 0 Degrees Coupling Fit Closest to the er	ng Housing 90 Degrees ad of the Shaft	Opposite Drive End Bearing 120 Degrees	
53. 54. 55.	Rotor Runout Drive End Bearing Fit Coupling Fit Closest to Bearin 0 Degrees Coupling Fit Closest to the er 0 Degrees	ng Housing 90 Degrees ad of the Shaft	Opposite Drive End Bearing 120 Degrees	
53. 54. 55. 56.	Rotor Runout Drive End Bearing Fit Coupling Fit Closest to Bearin 0 Degrees Coupling Fit Closest to the er 0 Degrees Drive End Bearing Shaft Fit	ng Housing 90 Degrees ad of the Shaft 60 Degrees	Opposite Drive End Bearing 120 Degrees 120 Degrees	
53. 54. 55. 56.	Rotor Runout Drive End Bearing Fit Coupling Fit Closest to Bearin 0 Degrees Coupling Fit Closest to the er 0 Degrees	ng Housing 90 Degrees ad of the Shaft	Opposite Drive End Bearing 120 Degrees	

	59.	Opposite Drive End Bearing Shaf			
		0 Degrees	60 Degrees	120 Degrees	
		1.969	1.969	1.969	
	60.	Opposite Drive End Bearing Shaf	t Fit Condition	(P) Pass	
	61.	Shaft Air Seal Fits			
		Drive End Air Seal	Opposite Drive End Air Seal		
M	echa	nical Fits- Bearing Housings			O
	62.	Drive End - Endbell Bearing Fit			P2
		0 Degrees	60 Degrees	120 Degrees	
	1013	12 Mar 200			
	E.				
		- BRIE			
	2	and a second			
1	9				
4	S.C.	the second			
	00				
		Data - Fault - Fault - II Desates - Fit O	a la all'il a la		D45
	63.	Drive End - Endbell Bearing Fit C	ondition	(F) Fail	P15
	63.	Drive End - Endbell Bearing Fit Control Lip worn in.	ondition	(F) Fail	P15
			ondition	(F) Fail	P15
			ondition	(F) Fail	P15
			ondition	(F) Fail	P15
			ondition	(F) Fail	P15
			ondition	(F) Fail	P15
			ondition	(F) Fail	P15
			ondition	(F) Fail	P15
			ondition	(F) Fail	P15
			ondition	(F) Fail	P15
			ondition	(F) Fail	P15
			ondition	(F) Fail	P15
			ondition	(F) Fail	P15
		Lip worn in.		(F) Fail	P15
		Lip worn in.	uring Fit		P15
		Lip worn in.	rring Fit 60 Degrees	120 Degrees	P15
	64.	Lip worn in.	uring Fit		P15
	64.	Lip worn in. Image: State of the state of th	ring Fit 60 Degrees 3.5446	120 Degrees 3.5447	P15
	64.	Lip worn in. Image: State of the state of th	ring Fit 60 Degrees 3.5446	120 Degrees	P15
	64. 65.	Lip worn in. Image: See above	ring Fit 60 Degrees 3.5446	120 Degrees 3.5447	P15
	65.	Lip worn in. Image: See above Bearing Cap Condition	rring Fit 60 Degrees 3.5446 rring Fit Condition	120 Degrees 3.5447 (F) Fail	P15
	64. 65.	Lip worn in. Image: See above	ring Fit 60 Degrees 3.5446	120 Degrees 3.5447 (F) Fail	P15



77.	Core Hot Spot Test			
	Pre-Burnout	Post-Burnout		
78.	Post Rewind Electrical Test- Insul	ation Resistance		
79.	Post Rewind Polarization Index			
80.	Post Rewind Winding Resistance			
	1-2	1-3	2-3	
81.	Post Rewind Surge Test			
82.	Post Rewind Hi-Pot			
83.	Technician			
Mecha	nical Fits- Bearing Housings -	Post Repair		
	Drive End - Endbell Bearing Fit Po	•		
	0 Degrees	60 Degrees	120 Degrees	
	0.209.000	00 209.000	120 203.000	
85.	Opposite Drive End - Endbell Bea	ring Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees	
	0 209:000		120 2091000	
86.	Bearing Cap Condition Post Repa	ir		
00.	Drive End Bearing Cap	Opposite Drive End Bearing Cap		
	Drive End Dearing Cap	Opposite Drive End Dearing Cap		
87.	End Bell Air Seal Fits Post Repair			
07.	Drive End Air Seal	Opposite Drive End Air Seal		
		Opposite Drive End All Seal		
88.	End Bell Repair Sign-off			
Assem				
89.	QC Check All Parts for Cleanlines	s Prior to Assembly		
90.	Photograph All Major Components	-		
91.	Final Insulation Resistance Test			
92.	Assembled Shaft Endplay			
93.	Assembled Shaft Runout			
94.	Test Run Voltage			
54.	Volts	Volts	Volts	
	Volto	Volta	010	
95.	Test Run Amperage			
55.	Amps	Amps	Amps	
	Amps	Amps	Amps	
96.	Drive End Vibration Readings - In	abos Por Socond		
90.	Horizontal	Vertical	Axial	
	Holizofilai	Venical	Axiai	
07	Opposite Drive End Vibration Rea	dingo Inches Der Second		
97.		-	A *-1	
	Horizontal	Vertical	Axial	
	A 11 /			
98.	Ambient Temperature - Fahrenhei			
99.	Drive End Bearing Temps - Fahre			
	5 Minutes	10 Minutes	15 Minutes	

100.	Opposite Drive End Bearing Terr	ips - Fahrenheit		
	5 Minutes	10 Minutes	15 Minutes	
101.	Document Final Condition with P	ictures after paint		
102.	Final Pics and QC Review			