

Welspun Tubular (11685) 9301 Frazier Pike

Little Rock, AR 72206

AC Inspection - Rev. 2

Location:	LR MOTORSHOP	
Serial Number:	525286/01	

Description: 2.2KW HAMMELMANN 3600RPM

Repair Stage:

Winding Type :

Bearing Type:

Heaters:

Hi-Speed Job Number:	101138
Manufacturer:	Other
Product Number:	00.00124.0183-002
Serial Number:	525286/01
HP/kW:	2.2 (kW)
RPM:	2870 (RPM)
Voltage:	460
Current:	4.9
Phase:	Three
Hz:	50 (Hz)
Enclosure:	TENV
J-box Included:	None
Bearing RTDs:	No
Stator RTDs:	No

Final

Random Wound

Rolling Element

No

Overall Condition

1. Report Date Hi-Speed Industrial Service 7030 Ryburn Dr Millington, Tn 38053 901-873-5300

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FolderID: 101138 FormID: 16308069





- 3. Photos of all six sides of the machine.
- 4. Describe the Overall Condition of the Equipment as Received
- 5. Distance from the end of the shaft to the Coupling/Sheave

Initial Mechanical/Electrical

- 6. Does Shaft Turn Freely?
- 7. Does Shaft Have Visible Damage?
- 8. Assembled Shaft Runout
- 9. Assembled Shaft End Play
- 10. Air Gap Variation <10%
- 11. Lead Condition

12. Lead Length 13. Frame Condition 14. Fan Condition 15. Broken or Missing Components Initial Electrical Inspection 16. Insulation Resistance 17. Winding Resistance 12. 1-3 2-3 18. Perform Surge Test 19. Number of Stator Solos 20. Stator Condition Mechanical Inspection 21. Drive End Bearing Brand 22. Drive End Bearing Type 23. Drive End Bearing Type 24. Drive End Bearing Type 25. Drive End Bearing Type 26. Drive End Bearing Type 27. Drive End Bearing Insulation or Grounding Device? 28. Drive End Bearing Rand 30. Opposite Drive End Bearing Number- 31. Orposite Drive End Bearing Number- 32. Opposite Drive End Bearing Number- 33. Opposite Drive End Bearing Number- 34. Opposite Drive End Bearing Number- 35. Opposite Drive End Bearing Number-						
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	47	Coupling Fit Closest to Bearing	Housing			
	-11	0 Degrees	90 Degrees	120 Degrees		
o Degrees 120 Degrees		U Dogioco	00 0091000			

48.	Coupling Fit Closest to the end of	the Shaft		
	0 Degrees	60 Degrees	120 Degrees	
49.	Drive End Bearing Shaft Fit			
	0 Degrees	60 Degrees	120 Degrees	
	-	-		
50.	Drive End Bearing Shaft Fit Condi	ition		
51.	Opposite Drive End Bearing Shaft	t Fit		
	0 Degrees	60 Degrees	120 Degrees	
52.	Opposite Drive End Bearing Shaft	t Fit Condition		
53.				
00.	Drive End Air Seal	Opposite Drive End Air Seal		
	Diffe Life All Seal	Opposite Drive Lifd All Seal		
Macha	nicol Eito Decring Heusing			
	nical Fits- Bearing Housings			
54.	Drive End - Endbell Bearing Fit	00 D	400 D	
	0 Degrees	60 Degrees	120 Degrees	
55.	Ŭ			
56.	11	-		
	0 Degrees	60 Degrees	120 Degrees	
57.	Opposite Drive End - Endbell Bea	ring Fit Condition		
58.	Bearing Cap Condition			
	Drive End Bearing Cap	Opposite Drive End Bearing Cap		
59.	End Bell Air Seal Fits			
	Drive End Air Seal	Opposite Drive End Air Seal		
60.	List Machine Work Needed Below	1		
61.	Technician			
Dynam	ic Balance Report			
62.	Rotor Weight and Balance Grade			
	Rotor Weight	Balance Grade		
63.	Initial Balance Readings			
	Drive End	Opposite Drive End		
64.	Final Balance Readings			
	Drive End	Opposite Drive End		
65.	Technician			
Rewind				
66.	Core Test Results - Watts loss pe	r Pound		
00.	Pre-Burnout	Post Burnout		
		r oot Dumout		

67.	Core Hot Spot Test			
07.	Pre-Burnout	Post-Burnout		
	T Te-Dumout	1 Ost-Dumout		
68.	Post Rewind Electrical Test- Insul	ation Resistance		
69.	Post Rewind Polarization Index			
70.	Post Rewind Winding Resistance			
	1-2	1-3	2-3	
71.	Post Rewind Surge Test			
72.	Post Rewind Hi-Pot			
73.	Technician			
Root C	ause of Failure			
74.	Failure locations			
75.	Root cause of failure			
Mecha	nical Fits- Rotor - Post Repair	·		
76.	Shaft Runout Post Repair			
77.	Rotor Runout Post Repair			
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing	
78.	Coupling Fit Closest to Bearing H			
	0 Degrees	90 Degrees	120 Degrees	
79.	Coupling Fit Closest to the end of		100 5	
	0 Degrees	60 Degrees	120 Degrees	
80.	Drive End Bearing Shaft Fit Post	Popair		
00.	0 Degrees	60 Degrees	120 Degrees	
	0 Degrees	00 Degrees	120 Degrees	
81.	Opposite Drive End Bearing Shaf	t Fit Post Repair		
011	0 Degrees	60 Degrees	120 Degrees	
	0 2091000	00 2091000	120 2091000	
82.	Shaft Air Seal Fits Post Repair			
	Drive End Air Seal	Opposite Drive End Air Seal		
83.	Shaft Repair Sign-off			
Mecha	nical Fits- Bearing Housings	- Post Repair		
84.	Drive End - Endbell Bearing Fit Po	ost Repair		
	0 Degrees	60 Degrees	120 Degrees	
85.	Opposite Drive End - Endbell Bea	ring Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees	
86.	Bearing Cap Condition Post Repa	air		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap		

07	End Dall Air Cool Eite Doot Do				
87.	End Bell Air Seal Fits Post Re				
	Drive End Air Seal	Opposite Drive End Air Seal			
88.	End Bell Repair Sign-off				
Assem					
	QC Check All Parts for Clean	incon Drier to Accombly		0	
90.	Photograph All Major Compor				
90. 91.	Final Insulation Resistance Te				
91.	Assembled Shaft Endplay	251			
92. 93.	Assembled Shaft Runout				
94.	Test Run Voltage				
	Volts	Volts	Volts		
05					
95.	Test Run Amperage	A	0.000 0		
	Amps	Amps	Amps		
96.	Drive End Vibration Readings				
	Horizontal	Vertical	Axial		
97.		Readings - Inches Per Second			
	Horizontal	Vertical	Axial		
98.		Ambient Temperature - Fahrenheit			
99.	Drive End Bearing Temps - Fa				
	5 Minutes	10 Minutes	15 Minutes		
100					
100.	Opposite Drive End Bearing T				
	5 Minutes	10 Minutes	15 Minutes		
101	Desument Final Condition with	h Disturse often a sint			
	Document Final Condition with Final Pics and QC Review	n Pictures alter paint	Terrence Holland	P102	
		l			









