

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

> FolderID: 101138 FormID: 16308069

AC Inspection as Found Welspun Tubular (11685)

9301 Frazier Pike Little Rock, AR 72206

Serial Number:

AC Inspection - Rev. 2

LR MOTORSHOP Location:

525286/01 Description: 2.2KW HAMMELMANN 3600RPM

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
Repair Stage:	Final
Heaters:	No
Winding Type :	Random Wound
Bearing Type:	Rolling Element

Overall Condition

0

Report Date

Nameplate Picture







- 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 E	Electrical Inspection			
16.		Insulation Resistance/Megger		
17.	Winding Resistance			
	1-2	1-3	2-3	
18.	Perform Surge Test			
19.	Number of Stator Slots			
20.	Stator Condition			
Mecha	nical Inspection			
21.	Drive End Bearing Brand			
22.	Drive End Bearing Number-			
23.	Drive End Bearing Qty.			
24.	Drive End Bearing Type			
25.	Drive End Lubrication Type			
26.	Drive End Bearing Insulation or Grounding Device?			
27.	Drive End Wavy Washer/Snap-Ring Other Retention Device?			
28.	Drive End Bearing Condition			
29.	Opposite Drive End Bearing Brand			
30.	Opposite Drive End Bearing Number-			
31.	Opposite Drive End Bearing Qty.			
32.	Opposite Drive End Bearing Type			
33.	Opposite Drive End Lubrication Type			
34.	Opposite Drive End Bearing Insulation or Grounding Device?			
35.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?			
36.	Opposite Drive End Bearing Condition			
37.	Drive End Seal			
38.	Opposite Drive End Seal			
	Inspection Peter Type/Meterial			
39. 40.	Rotor Type/Material Growler Test			
40.	Number of Rotor Bars			
41.	Rotor Condition			
43.		air Below		
44.	List the Parts needed for the Repair Below Signature of Technician that Disassembled Motor			
	nical Fits- Rotor	COO.II.DIGG WIGHT		
45.	Shaft Runout			
46.	Rotor Runout			
70.	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing	
	DINO LING Dodning I IL	. Color Body	Opposite Diffe Life Dealing	
47.	Coupling Fit Closest to Bearing H	ousina		
۲1.	0 Degrees	90 Degrees	120 Degrees	
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49. Drive End Bearing Shaft Fit 0 Degrees 60 Degrees 120 Degrees 1					
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Rewind 66. Core Test Results - Watts loss per Pound					
66. Core Test Results - Watts loss per Pound	65.	Technician			
·	Rewin	d			
·	66.	Core Test Results - Watts loss pe	r Pound		
		·			

67.	Core Hot Spot Test			
	Pre-Burnout	Post-Burnout		
68.	Post Rewind Electrical Test- Insulation 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			
	Cause of Failure			
74.	Failure locations			
75.	Root cause of failure			
	nical Fits- Rotor - Post Repai	r		
76.	Shaft Runout Post Repair			
77.	Rotor Runout Post Repair			
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing	
70	0 1 5 0 1 1			
78.	Coupling Fit Closest to Bearing H		100 5	
	0 Degrees	90 Degrees	120 Degrees	
70	O a compliance Fits Old a constant state of the constant	tales Oberta Deservice		
79.	Coupling Fit Closest to the end of		400 D	
	0 Degrees	60 Degrees	120 Degrees	
80.	Drive End Bearing Shaft Fit Post	Ponair		
00.	0 Degrees	60 Degrees	120 Degrees	
	0 Degrees	ou Degrees	120 Degrees	
81.	Opposite Drive End Bearing Shaf	t Fit Post Repair		
0	0 Degrees	60 Degrees	120 Degrees	
	o Degrees	00 Deg.000	120 Degrees	
82.	Shaft Air Seal Fits Post Repair			
J_ .	Drive End Air Seal	Opposite Drive End Air Seal		
83.	Shaft Repair Sign-off			
	nical Fits- Bearing Housings	- Post Repair		
84.	Drive End - Endbell Bearing Fit P	-		
	0 Degrees	60 Degrees	120 Degrees	
85.	Opposite Drive End - Endbell Bea	aring Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees	
) = -g 	
86.	Bearing Cap Condition Post Repa	air		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap		
	o			

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87.	End Bell Air Seal Fits Post F	Repair		
	Drive End Air Seal	Opposite Drive End Air Seal		
88.	End Bell Repair Sign-off			
ssem	nbly		o	
89.	QC Check All Parts for Clea	nliness Prior to Assembly		
90.	Photograph All Major Comp	onents prior to assembly		
91.	Final Insulation Resistance	Test		
92.	Assembled Shaft Endplay			
93.	Assembled Shaft Runout			
94.	Test Run Voltage			
	Volts	Volts	Volts	
95.	Test Run Amperage			
	Amps	Amps	Amps	
96.	Drive End Vibration Reading	gs - Inches Per Second		
	Horizontal	Vertical	Axial	
97.	Opposite Drive End Vibratio	n Readings - Inches Per Second		
	Horizontal	Vertical	Axial	
98.	Ambient Temperature - Fah	renheit		
99.	9. Drive End Bearing Temps - Fahrenheit			
	5 Minutes	10 Minutes	15 Minutes	
100.	Opposite Drive End Bearing	Temps - Fahrenheit		
	5 Minutes	10 Minutes	15 Minutes	
101.	Document Final Condition w	rith Pictures after paint		
102.	Final Pics and QC Review		Terrence Holland	P10
/-	— H	ll		

















