

AC Recondition As Found

Arauco-Malvern MDF (10298)

1275 Willamette Rd Malvern, AR 72104 FolderID: 99704 FormID: 13408573

AC	Recon	dition -	Rev. 2

Location:	LR MOTORSHOP
Serial Number:	QC E9173012001
Description:100H	P Teco 1200RPM 444T

Hi-Speed Job Number:	99704
Manufacturer:	TECO Westinghouse
Product Number:	DHP1006
Serial Number:	E9173012001
HP/kW:	100 (HP)
RPM:	1181 (RPM)
Frame:	444T
Voltage:	230 / 460
Current:	240/120
Phase:	Three
Hz:	60 (Hz)
Service Factor:	1.15
Enclosure:	ODP
J-box Included:	Complete
Coupling/Sheave:	None
Date Received:	04/22/2022
Repair Stage:	Final

Priorities Found: **7 - Good**

Overall Condition

1. Report Date

04/26/2022

Ο













Π











	3.	Describe the Overall Condition of <i>Filthy</i>	the Equipment as Received		
Ini	tial	•			
INI	tial I	Mechanical/Electrical			
	4.	Does Shaft Turn Freely?		(Yes) Yes	
	5.	Does Shaft Have Visible Damage	?	(No) No	
	6.	Assembled Shaft Runout		Inches	
	7.	Assembled Shaft End Play			
	8.	Air Gap Variation <10%			
	9.	Lead Condition		(P) Pass	
	10.	Lead Length		12 Inches	
	11.	Stator Temperature Detector Rati	ing and Function		
		Quantity	Rating	Quantity Passed	
	12.	Bearing Temperature Detector Ra	ating and Function		
		Quantity	Rating	Quantity Passed	
	13.	Frame Condition		good	
	14.	Fan Condition		(N) NA	

	15.	Heater Quantity, Ratings			
	10.	Quantity	Volts/Watts	Pass/Fail	
		Quantity	Volt3/ Watts	1 433/1 411	
	16.	Broken or Missing Components			
Ini	itial E	Electrical Inspection			
	17.	Insulation Resistance/Megger		2000 Megohms	
	18.	Winding Resistance			
		1-2	1-3	2-3	
	19.	Perform Surge Test		(P) Pass	
	20.	Stator Condition		good	
Me	echa	nical Inspection			0
	21.			6318	 P21
	22.	Drive End Bearing Qty.		1	
	23.	Drive End Bearing Type		(Ball) Ball Bearing	
	24.	Drive End Lubrication Type		(Grease) Grease Lubricated	
	25.	Drive End Bearing Insulation or G	rounding Device?		
	26.	Drive End Wavy Washer/Snap-Ri		labryrinth	
	27.	Drive End Bearing Condition	5	good	
	28.	Opposite Drive End Bearing Numl	ber-	6316	
	29.	Opposite Drive End Bearing Qty.		1	
	30.	Opposite Drive End Bearing Type		(Ball) Ball Bearing	
	31.	Opposite Drive End Lubrication Ty		(Grease) Grease Lubricated	
	32.	Opposite Drive End Bearing Insula	ation or Grounding Device?		
	33.	Opposite Drive End Wavy Washe	r/Snap-Ring Other Retention Device?	labyrinth	
	34.	Opposite Drive End Bearing Cond	lition	good	
	35.	Drive End Seal		non	
	36.	Opposite Drive End Seal		none	
	37.	DE Sleeve Bearing Inside ID			
		Measure 1	Measure 2	Measure 3	
	38.	DE Sleeve Bearing Outside ID			
		Measure 1	Measure 2	Measure 3	
	39.	DE Sleeve Bearing Inside OD			
		Measure 1	Measure 2	Measure 3	
	40.	DE Sleeve Bearing Outside OD			
		Measure 1	Measure 2	Measure 3	

41.	ODE Sleeve Bearing Inside ID			
	Measure 1	Measure 2	Measure 3	
42.	ODE Sleeve Bearing Outside ID			
	Measure 1	Measure 2	Measure 3	
	Measure	Measure 2	Measure 5	
43.	ODE Sleeve Bearing Outside OD			
	Measure 1	Measure 2	Measure 3	
44.	ODE Sleeve Bearing Inside OD			
	Measure 1	Measure 2	Measure 3	
Potor	Increation			
	Inspection			
45.	Rotor Type/Material		(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast	
46.	Growler Test		(Pass) Pass	
47.			84	
	Rotor Condition		good	
49.	List the Parts needed for the Rep	air Beiow		
	6318, 6316			
50.	Signature of Technician that Disa	ssembled Motor		
Mecha	anical Fits- Rotor			
51.	Shaft Runout			
52.	Rotor Runout			
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing	
	2		• pp conc 2 c 2	
53.	Coupling Fit Closest to Bearing H	lousing		
00.		-	120 Degrees	
	0 Degrees	90 Degrees	120 Degrees	
54.	Coupling Fit Closest to the end of			
	0 Degrees	60 Degrees	120 Degrees	
55.	Drive End Bearing Shaft Fit			
	0 Degrees	60 Degrees	120 Degrees	
	3.544	3.544	3.544	
56.			(P) Pass	
57.			(1)1 435	
57.				
	0 Degrees	60 Degrees	120 Degrees	
	3.1502	3.1502	3.1502	
58.		t Fit Condition	(P) Pass	
59.	Shaft Air Seal Fits			
	Drive End Air Seal	Opposite Drive End Air Seal		
Mecha	anical Fits- Bearing Housings			
	Drive End - Endbell Bearing Fit			
00.	-	CO Degrees		
	0 Degrees	60 Degrees	120 Degrees	
	7.481	7.4811	7.481	
61.	Drive End - Endbell Bearing Fit C		(P) Pass	

0. Degrees 60 Degrees 120 Degrees 6.8. Opposite Drive End - Endoal Dearing Fit Condition (P) Pase 6.4. Bearing Cap Condition Opposite Drive End Searing Cap 0. Diposite Drive End Searing Cap Opposite Drive End Searing Cap 65. End Bell Air Seal Opposite Drive End Air Seal 0. Drive End Air Seal Opposite Drive End Air Seal 0. Drive End Air Seal Opposite Drive End Air Seal 0. Editation Work Needed Below		62.	Opposite Drive End - Endbell Bea	ring Fit	
6.633 6.6935 6.6936 0 Opposite Drive End - Endbell Baering FR Condition (P) Pass 0 Bearing Cap Condition Opposite Drive End Bearing Cap Drive End Bearing Cap Opposite Drive End Bearing Cap 0 Bearing Cap Condition Opposite Drive End Air Seal Drive End Air Seal Fits Opposite Drive End Air Seal Drive End Air Seal Opposite Drive End Air Seal 66. List Machine Work Needed Below 67. Technician David Maclin David Maclin Description Balance Grade Rotor Weight and Balance Grade Balance Grade 68. Rotor Weight Balance Grade 70. Final Balance Readings Drive End Drive End Opposite Drive End Image: State Sta		02.			120 Degrees
 Opposite Drive End - Endbell Bearing Fit Condition Opposite Drive End Bearing Cap End Bell Air Seal Fits Drive End Bearing Cap Opposite Drive End Air Seal End Bell Air Seal Fits Drive End Air Seal Fits Drive End Air Seal End Bell Air Seal Fits Opposite Drive End Air Seal End Bell Air Seal Fits Drive End Air Seal Opposite Drive End Air Seal End Bell Air Seal Fits Drive End Air Seal David Maclin Dysamic Balance Report Ead Retor Weight and Balance Grade Rotor Weight and Balance Grade Drive End Opposite Drive End Final Balance Readings Drive End Opposite Drive End Final Balance Readings Drive End Opposite Drive End final Balance Readings Drive End Opposite Drive End Core Test Results - Watts loss per Pound Pre-Burnout Post Burnout Post Rewind Electrical Test- Insulation Resistance Seattre Bourding Post-Burnout Fost Rewind Minding Resistance			-	-	-
64. Bearing Cap Condition Opposite Drive End Bearing Cap 65. End Bell Air Seal Fits Opposite Drive End Air Seal 66. List Machine Work Needed Below Balance Report 67. Technician David Maclin David Maclin </th <th></th> <th>00</th> <th></th> <th></th> <th></th>		00			
Drive End Bearing Cap Opposite Drive End Bearing Cap 65. End Belf Air Seal Fits Drive End Air Seal Opposite Drive End Air Seal 66. List Machine Work Needed Below 67. Technician David Maclin Dive End Drive End Par-Burnout Post Burnout				ring Fit Condition	(P) Pass
 6. End Bell Air Seal Fits Drive End Air Seal Opposite Drive End Air Seal 6. List Machine Work Needed Below 67. Technician David Maclin Dive End Dive End Opposite Drive End Drive End Opposite Drive End Post Burnout Post Rewind Michal Test Insulation Resistance Post Rewind Michal Resistance Post Rewind M		64.			
Drive End Air Seal Opposite Drive End Air Seal 66. List Machine Work Needed Below David Maclin 67. Technician David Maclin 68. Rotor Weight and Balance Grade Rotor Weight and Balance Grade 68. Rotor Weight and Balance Grade Rotor Weight and Balance Grade 70. Final Balance Readings Drive End 71. Technician Opposite Drive End 72. Core Test Results - Watts loss per Pound Post Burnout 73. Core Hot Spot Test Post Burnout 74. Pre-Burnout Post Burnout 73. Core Hot Spot Test Post Burnout 74. Post Rewind Electrical Test-Insulation Resistance Insulation Resistance 75. Post Rewind Blectrical Test-Insulation Resistance Insulation Resistance 76. Post Rewind Blectrical Test-Insulation Resistance Insulation Resistance 77. Post Rewind Blectrical Test-Insulation Resistance Insulation Resistance 78. Post Rewind Blectrical Test-Insulation Resistance Insulation Resistance 79. Post Rewind Blectrical Test-Insulation Resistance Insulation Resistance 1			Drive End Bearing Cap	Opposite Drive End Bearing Cap	
Drive End Air Seal Opposite Drive End Air Seal 66. List Machine Work Needed Below David Maclin 67. Technician David Maclin 68. Rotor Weight and Balance Grade Rotor Weight and Balance Grade 68. Rotor Weight and Balance Grade Rotor Weight and Balance Grade 70. Final Balance Readings Drive End 71. Technician Opposite Drive End 72. Core Test Results - Watts loss per Pound Post Burnout 73. Core Hot Spot Test Post Burnout 74. Pre-Burnout Post Burnout 73. Core Hot Spot Test Post Burnout 74. Post Rewind Electrical Test-Insulation Resistance Insulation Resistance 75. Post Rewind Blectrical Test-Insulation Resistance Insulation Resistance 76. Post Rewind Blectrical Test-Insulation Resistance Insulation Resistance 77. Post Rewind Blectrical Test-Insulation Resistance Insulation Resistance 78. Post Rewind Blectrical Test-Insulation Resistance Insulation Resistance 79. Post Rewind Blectrical Test-Insulation Resistance Insulation Resistance 1					
 66. List Machine Work Needed Below 67. Technician David Maclin 68. Rotor Weight and Balance Grade 68. Rotor Weight and Balance Grade 69. Initial Balance Readings Drive End Opposite Drive End 70. Final Balance Readings Drive End Opposite Drive End 71. Technician 72. Core Test Results - Wattis loss per Pound 73. Core Hot Spot Test 74. Post Rewind Electrical Test-Insulation Resistance 75. Post Rewind Electrical Test-Insulation Resistance 76. Post Rewind Electrical Test-Insulation Resistance 77. Post Rewind Electrical Test-Insulation Resistance 78. Post Rewind Bletrical Test-Insulation Resistance 79. Post Rewind Bletrical Test-Insulation Resistance 71. Technician 72. Core Test Results - Wattis Ioss per Pound 73. Post Rewind Bletrical Test-Insulation Resistance 74. Post Rewind Bletrical Test-Insulation Resistance 75. Post Rewind Bletrical Test-Insulation Resistance 76. Post Rewind Bletrical Test-Insulation Resistance 77. Post Rewind Surge Test 77. Post Rewind Hi-Pot 77. Post Rewind Surge Test 78. Post Rewind Hi-Pot 79. Technician 		65.			
67. Technician David Maclin 68. Rotor Weight and Balance Grade Rotor Weight 68. Rotor Weight Balance Grade 69. Initial Balance Readings Drive End 70. Final Balance Readings Drive End 71. Technician Drive End 72. Core Test Results - Watts loss per Pound Post Burnout 73. Core Hot Spot Test Post-Burnout 74. Post Rewind Electrical Test-Insulation Resistance T 75. Post Rewind Polarization Index T 76. Post Rewind Winding Resistance 2-3 77. Post Rewind Surge Test T 78. Post Rewind Hi-Pot T-3 79. Post Rewind Hi-Pot 2-3 79. Post Rewind Hi-Pot T-3 79. Technician T 79. Post Rewind Hi-Pot T-3 79. Post Rewind Hi-Pot T-3 79. Fost Rewind Hi-Pot T-3 79. Fallure locations T			Drive End Air Seal	Opposite Drive End Air Seal	
67. Technician David Maclin 68. Rotor Weight and Balance Grade Rotor Weight 68. Rotor Weight Balance Grade 69. Initial Balance Readings Drive End 70. Final Balance Readings Drive End 71. Technician Drive End 72. Core Test Results - Watts loss per Pound Post Burnout 73. Core Hot Spot Test Post-Burnout 74. Post Rewind Electrical Test-Insulation Resistance T 75. Post Rewind Polarization Index T 76. Post Rewind Winding Resistance 2-3 77. Post Rewind Surge Test T 78. Post Rewind Hi-Pot T-3 79. Post Rewind Hi-Pot 2-3 79. Post Rewind Hi-Pot T-3 79. Technician T 79. Post Rewind Hi-Pot T-3 79. Post Rewind Hi-Pot T-3 79. Fost Rewind Hi-Pot T-3 79. Fallure locations T		00			
Permutable Report 68. Rotor Weight and Balance Grade Rotor Weight Balance Grade 69. Initial Balance Readings Drive End Opposite Drive End 70. Final Balance Readings Drive End Opposite Drive End 71. Technician Rewind 72. Core Test Results - Watts loss per Pound Pre-Burnout Post Burnout 73. Core Hot Spot Test Pre-Burnout Post-Burnout 74. Post Rewind Electrical Test - Insulation Resistance 75. Post Rewind Polarization Index 76. Post Rewind Surge Test 77. Post Rewind Surge Test 78. Post Rewind Hi-Pot 79. Test Rewind Hi-Pot 71. Test Rewind Hi-Pot 71. Test Rewind Hi-Pot 72. Post Rewind Hi-Pot 73. Test Rewind Hi-Pot 74. Post Rewind Hi-Pot 75. Post Rewind Surge Test 76. Post Rewind Hi-Pot 77. Post Rewind Hi-Pot					David Maalin
68. Rotor Weight and Balance Grade Rotor Weight Balance Grade 69. Initial Balance Readings Drive End Opposite Drive End 70. Final Balance Readings Drive End Opposite Drive End 70. Final Balance Readings Drive End Opposite Drive End Rewind Electrical Test Prove End 72. Core Test Results - Watts loss per Pound Pre-Burnout Post Burnout 73. Core Hot Spot Test Pre-Burnout Post-Burnout 74. Post Rewind Electrical Test- Insulation Resistance 75. Post Rewind Electrical Test- Insulation Resistance 76. Post Rewind Ninding Resistance 77. Post Rewind Surge Test 78. Technician 79. Technician 79. Post Rewind Hi-Pot 79. Post Rewind Hi-Pot 79. Technician 79. Technician 79. Technician 79. Technician 79. Technician 79. Failure locations		67.	lechnician		
68. Rotor Weight and Balance Grade Rotor Weight Balance Grade 69. Initial Balance Readings Drive End Opposite Drive End 70. Final Balance Readings Drive End Opposite Drive End 70. Final Balance Readings Drive End Opposite Drive End Rewind Electrical Test Prove End 72. Core Test Results - Watts loss per Pound Pre-Burnout Post Burnout 73. Core Hot Spot Test Pre-Burnout Post-Burnout 74. Post Rewind Electrical Test- Insulation Resistance 75. Post Rewind Electrical Test- Insulation Resistance 76. Post Rewind Ninding Resistance 77. Post Rewind Surge Test 78. Technician 79. Technician 79. Post Rewind Hi-Pot 79. Post Rewind Hi-Pot 79. Technician 79. Technician 79. Technician 79. Technician 79. Technician 79. Failure locations			∇		
68. Rotor Weight and Balance Grade Rotor Weight Balance Grade 69. Initial Balance Readings Drive End Opposite Drive End 70. Final Balance Readings Drive End Opposite Drive End 70. Final Balance Readings Drive End Opposite Drive End Rewind Electrical Test Prove End 72. Core Test Results - Watts loss per Pound Pre-Burnout Post Burnout 73. Core Hot Spot Test Pre-Burnout Post-Burnout 74. Post Rewind Electrical Test- Insulation Resistance 75. Post Rewind Electrical Test- Insulation Resistance 76. Post Rewind Ninding Resistance 77. Post Rewind Surge Test 78. Technician 79. Technician 79. Post Rewind Hi-Pot 79. Post Rewind Hi-Pot 79. Technician 79. Technician 79. Technician 79. Technician 79. Technician 79. Failure locations					
68. Rotor Weight and Balance Grade Rotor Weight Balance Grade 69. Initial Balance Readings Drive End Opposite Drive End 70. Final Balance Readings Drive End Opposite Drive End 70. Final Balance Readings Drive End Opposite Drive End Rewind Electrical Test Prove End 72. Core Test Results - Watts loss per Pound Pre-Burnout Post Burnout 73. Core Hot Spot Test Pre-Burnout Post-Burnout 74. Post Rewind Electrical Test- Insulation Resistance 75. Post Rewind Electrical Test- Insulation Resistance 76. Post Rewind Ninding Resistance 77. Post Rewind Surge Test 78. Technician 79. Technician 79. Post Rewind Hi-Pot 79. Post Rewind Hi-Pot 79. Technician 79. Technician 79. Technician 79. Technician 79. Technician 79. Failure locations			V Z		
68. Rotor Weight and Balance Grade Rotor Weight Balance Grade 69. Initial Balance Readings Drive End Opposite Drive End 70. Final Balance Readings Drive End Opposite Drive End 70. Final Balance Readings Drive End Opposite Drive End Rewind Electrical Test Prove End 72. Core Test Results - Watts loss per Pound Pre-Burnout Post Burnout 73. Core Hot Spot Test Pre-Burnout Post-Burnout 74. Post Rewind Electrical Test- Insulation Resistance 75. Post Rewind Electrical Test- Insulation Resistance 76. Post Rewind Ninding Resistance 77. Post Rewind Surge Test 78. Technician 79. Technician 79. Post Rewind Hi-Pot 79. Post Rewind Hi-Pot 79. Technician 79. Technician 79. Technician 79. Technician 79. Technician 79. Failure locations					
68. Rotor Weight and Balance Grade Rotor Weight Balance Grade 69. Initial Balance Readings Drive End Opposite Drive End 70. Final Balance Readings Drive End Opposite Drive End 70. Final Balance Readings Drive End Opposite Drive End Rewind Electrical Test Prove End 72. Core Test Results - Watts loss per Pound Pre-Burnout Post Burnout 73. Core Hot Spot Test Pre-Burnout Post-Burnout 74. Post Rewind Electrical Test- Insulation Resistance 75. Post Rewind Electrical Test- Insulation Resistance 76. Post Rewind Ninding Resistance 77. Post Rewind Surge Test 78. Technician 79. Technician 79. Post Rewind Hi-Pot 79. Post Rewind Hi-Pot 79. Technician 79. Technician 79. Technician 79. Technician 79. Technician 79. Failure locations					
Rotor Weight Balance Grade Revine End Opposite Drive End Drive End Opposite Drive End Torive End Opposite Drive End Rewind Filter Pre-Burnout Pre-Burnout Post Burnout Pre-Burnout Post-Burnout Post Rewind Flectrical Test- Insulation Resistance Post-Burnout Post Rewind Polarization Index Internet Insulation Resistance Post Rewind Winding Resistance Post Rewind Winding Resistance Post Rewind Surge Test Internet Insulation Resistance Post Rewind Hi-Pot Internet Insulation Resistance Post Rewind Hi-Pot Internet Insulation Resistance Post Rewind Hi-Pot Internet Insulation Resistance	Dy	/nam	ic Balance Report		
 A litial Balance Readings Drive End Opposite Drive End 70. Final Balance Readings Drive End Opposite Drive End 71. Fechnician 72. Core Test Results - Watts loss per Pound Pre-Burnout 73. Core Hot Spot Test Pre-Burnout Post Burnout 74. Post Rewind Electrical Test- Insulation Resistance 75. Post Rewind Polarization Index 76. Post Rewind Surge Test 77. Post Rewind Surge Test 78. Post Rewind Surge Test 79. Technician 		68.	Rotor Weight and Balance Grade		
Prive End Opposite Drive End 70. Final Balance Readings Drive End Opposite Drive End Opposite Drive End 71. Technician Rewind: 7. 72. Core Test Results - Watts loss per Pound Pre-Burnout 73. Core Test Results - Watts loss per Pound Pre-Burnout 73. Core Hot Spot Test 74. Post Rewind Electrical Test- Insulation Resistance 75. Post Rewind Polarization Index 7. 74. Post Rewind Polarization Index 7. 76. Post Rewind Surge Test 77. Post Rewind Surge Test 78. Post Rewind Surge Test 77. Post Rewind Surge Test 78. Post Rewind Hi-Pot 79. Technician Returnout 90st Rewind Hi-Pot 7. 7. 90st Rewind Hi-Pot 7. 7. 7. 7. <td< td=""><th></th><td></td><td>Rotor Weight</td><td>Balance Grade</td><td></td></td<>			Rotor Weight	Balance Grade	
Prive End Opposite Drive End 70. Final Balance Readings Drive End Opposite Drive End Opposite Drive End 71. Technician Rewind: 7. 72. Core Test Results - Watts loss per Pound Pre-Burnout 73. Core Test Results - Watts loss per Pound Pre-Burnout 73. Core Hot Spot Test 74. Post Rewind Electrical Test- Insulation Resistance 75. Post Rewind Polarization Index 7. 74. Post Rewind Polarization Index 7. 76. Post Rewind Surge Test 77. Post Rewind Surge Test 78. Post Rewind Surge Test 77. Post Rewind Surge Test 78. Post Rewind Hi-Pot 79. Technician Returnout 90st Rewind Hi-Pot 7. 7. 90st Rewind Hi-Pot 7. 7. 7. 7. <td< th=""><th></th><th></th><th></th><th></th><th></th></td<>					
70. Final Balance Readings Drive End Opposite Drive End 71. Technician Rewind 72. Core Test Results - Watts loss per Pound Pre-Burnout Post Burnout 73. Core Hot Spot Test Pre-Burnout Post-Burnout 74. Pre-Burnout Pre-Burnout Post-Burnout 74. Post Rewind Electrical Test- Insulation Resistance 75. Post Rewind Polarization Index 76. Post Rewind Polarization Index 77. Post Rewind Surge Test 77. Post Rewind Surge Test 77. Post Rewind Surge Test 78. Post Rewind Hi-Pot 79. Technician		69.	Initial Balance Readings		
Drive End Opposite Drive End Pre-Burnoit			Drive End	Opposite Drive End	
Drive End Opposite Drive End Pre-Burnoit					
71. Technician Rewind 72. Core Test Results - Watts loss per Pound 73. Pre-Burnout 73. Core Hot Spot Test 74. Pre-Burnout 75. Post Rewind Electrical Test- Insulation Resistance 74. Post Rewind Electrical Test- Insulation Resistance 75. Post Rewind Polarization Index 76. Post Rewind Winding Resistance 77. Post Rewind Surge Test 77. Post Rewind Surge Test 77. Post Rewind Minding Resistance 77. Post Rewind Surge Test 77. Post Rewind Hi-Pot 78. Post Rewind Hi-Pot 79. Technician Root Euse of Failure 80. Failure locations		70.	Final Balance Readings		
Rewind 72. Core Test Results - Watts loss per Pound Pre-Burnout Post Burnout 73. Core Hot Spot Test 74. Pre-Burnout Post Rewind Electrical Test- Insulation Resistance 75. Post Rewind Polarization Index 76. Post Rewind Polarization Index 77. Post Rewind Surge Test 77. Post Rewind Surge Test 77. Post Rewind Hi-Pot 77. Post Rewind Hi-Pot 78. Post Rewind Hi-Pot 79. Technician			Drive End	Opposite Drive End	
Rewind 72. Core Test Results - Watts loss per Pound Pre-Burnout Post Burnout 73. Core Hot Spot Test 74. Pre-Burnout Post Rewind Electrical Test- Insulation Resistance 75. Post Rewind Polarization Index 76. Post Rewind Polarization Index 77. Post Rewind Surge Test 77. Post Rewind Surge Test 77. Post Rewind Hi-Pot 77. Post Rewind Hi-Pot 78. Post Rewind Hi-Pot 79. Technician					
72. Core Test Results - Watts loss per Pound Pre-Burnout Post Burnout 73. Core Hot Spot Test Pre-Burnout Post-Burnout 74. Post Rewind Electrical Test- Insulation Resistance 75. Post Rewind Polarization Index 76. Post Rewind Polarization Index 77. Post Rewind Winding Resistance 77. Post Rewind Surge Test 77. Post Rewind Hi-Pot 77. Post Rewind Hi-Pot 78. Post Rewind Hi-Pot 79. Technician Root Euse of Failure 80. Failure locations		71.	Technician		
Pre-Burnout Post Burnout 73. Core Hot Spot Test 73. Core Hot Spot Test Pre-Burnout Post-Burnout 74. Post Rewind Electrical Test- Insulation Resistance 75. Post Rewind Polarization Index 76. Post Rewind Polarization Index 77. Post Rewind Surge Test 77. Post Rewind Surge Test 77. Post Rewind Hi-Pot 77. Post Rewind Hi-Pot 78. Post Rewind Hi-Pot 79. Technician 79. Technician	Re	ewind	k		
73. Core Hot Spot Test 73. Pre-Burnout Pre-Burnout Post-Burnout 74. Post Rewind Electrical Test- Insulation Resistance 75. Post Rewind Polarization Index 76. Post Rewind Winding Resistance 77. Post Rewind Surge Test 77. Post Rewind Surge Test 77. Post Rewind Hi-Pot 78. Post Rewind Hi-Pot 79. Technician		72.	Core Test Results - Watts loss per	r Pound	
Pre-Burnout Post-Burnout 74. Post Rewind Electrical Test- Insulation Resistance 75. Post Rewind Polarization Index 76. Post Rewind Winding Resistance 77. Post Rewind Surge Test 77. Post Rewind Surge Test 77. Post Rewind Hi-Pot 77. Post Rewind Hi-Pot 78. Post Rewind Hi-Pot 79. Technician Root Electrical Failure 80. Failure locations			Pre-Burnout	Post Burnout	
Pre-Burnout Post-Burnout 74. Post Rewind Electrical Test- Insulation Resistance 75. Post Rewind Polarization Index 76. Post Rewind Winding Resistance 77. Post Rewind Surge Test 77. Post Rewind Surge Test 77. Post Rewind Hi-Pot 77. Post Rewind Hi-Pot 78. Post Rewind Hi-Pot 79. Technician Root Electrical Failure 80. Failure locations					
74. Post Rewind Electrical Test- Insulation Resistance 75. Post Rewind Polarization Index 76. Post Rewind Winding Resistance 77. Post Rewind Surge Test 77. Post Rewind Surge Test 77. Post Rewind Hi-Pot 79. Technician Root East 80. Failure locations		73.	Core Hot Spot Test		
75. Post Rewind Polarization Index 76. Post Rewind Winding Resistance 1-2 1-3 2-3 77. Post Rewind Surge Test 78. Post Rewind Hi-Pot 79. Technician Root Cause of Failure 80. Failure locations			Pre-Burnout	Post-Burnout	
75. Post Rewind Polarization Index 76. Post Rewind Winding Resistance 1-2 1-3 2-3 77. Post Rewind Surge Test 78. Post Rewind Hi-Pot 79. Technician Root Cause of Failure 80. Failure locations					
76. Post Rewind Winding Resistance 1-2 1-3 2-3 77. Post Rewind Surge Test 78. Post Rewind Hi-Pot 79. Technician Root Cause of Failure 80. Failure locations		74.	Post Rewind Electrical Test- Insula	ation Resistance	
1-2 1-3 2-3 77. Post Rewind Surge Test		75.	Post Rewind Polarization Index		
 77. Post Rewind Surge Test 78. Post Rewind Hi-Pot 79. Technician Root Cause of Failure 80. Failure locations		76.	Post Rewind Winding Resistance		
78. Post Rewind Hi-Pot 79. Technician Root Cause of Failure 80. Failure locations			1-2	1-3	2-3
78. Post Rewind Hi-Pot 79. Technician Root Cause of Failure 80. Failure locations					
79. Technician Root Cause of Failure 80. Failure locations		77.	Post Rewind Surge Test		
Root Cause of Failure 80. Failure locations		78.	Post Rewind Hi-Pot		
80. Failure locations		79.	Technician		
	Ro	oot C	ause of Failure		
Drive end bearing		80.	Failure locations		
			Drive end bearing		

81.	Root cause of failure		
	Frosting		
Mecha	nical Fits- Rotor - Post Repair	·	
82.	Shaft Runout Post Repair		
83.	Rotor Runout Post Repair		
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing
0.4	Courting Fit Classet to Desting L	evering Dept Depair	
84.	5 1 5 5 5 5 5 5	- ·	
	0 Degrees	90 Degrees	120 Degrees
85.	Coupling Fit Closest to the end of	the Shaft Post Repair	
	0 Degrees	60 Degrees	120 Degrees
	5	5	5
86.	Drive End Bearing Shaft Fit Post	Repair	
	0 Degrees	60 Degrees	120 Degrees
		-	
87.	Opposite Drive End Bearing Shaf	t Fit Post Repair	
	0 Degrees	60 Degrees	120 Degrees
88.			
	Drive End Air Seal	Opposite Drive End Air Seal	
89	Shaft Repair Sign-off		
	nical Fits- Bearing Housings	- Post Renair	
	Drive End - Endbell Bearing Fit P	-	
00.	0 Degrees	60 Degrees	120 Degrees
	0 209.000	00 209.000	120 2031000
91.	Opposite Drive End - Endbell Bea	ring Fit Post Repair	
	0 Degrees	60 Degrees	120 Degrees
92.	Bearing Cap Condition Post Repa	air	
	Drive End Bearing Cap	Opposite Drive End Bearing Cap	
93.	End Bell Air Seal Fits Post Repair		
	Drive End Air Seal	Opposite Drive End Air Seal	
94.	DE Sleeve Bearing Inside ID Pos	t Repair	
	Measure 1	Measure 2	Measure 3
95.	DE Sleeve Bearing Outside ID Po	et Popair	
95.		•	Moosuro 2
	Measure 1	Measure 2	Measure 3
96.	DE Sleeve Bearing Inside OD Po	st Repair	
50.	Measure 1	Measure 2	Measure 3

97.	DE Sleeve Bearing Outside OD P	Post Repair	
	Measure 1	Measure 2	Measure 3
98.	End Bell Repair Sign-off		
99.	ODE Sleeve Bearing Inside ID Po	ost Repair	
	Measure 1	Measure 2	Measure 3
100.	ODE Sleeve Bearing Outside ID I	Post Repair	
	Measure 1	Measure 2	Measure 3
101.	ODE Sleeve Bearing Inside OD F	Post Repair	
	Measure 1	Measure 2	Measure 3
102.	ODE Sleeve Bearing Outside OD	Post Repair	
	Measure 1	Measure 2	Measure 3

Assembly

103. Photograph All Major Components prior to assembly









Ο

P0





















Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.

104. Final Insulation Resistance Test

	Assembled Shaft Endplay			
	Assembled Shaft Runout			
107.	Test Run Voltage			
	Volts	Volts	Volts	
108.	Test Run Amperage			
	Amps	Amps	Amps	
109.	Drive End Vibration Readings			
	Horizontal	Vertical	Axial	
110.	Opposite Drive End Vibration	-		
	Horizontal	Vertical	Axial	
	Ambient Temperature - Fahre			
112.	Drive End Bearing Temps - Fa			
	5 Minutes	10 Minutes	15 Minutes	
113.	Drive End Bearing Temps - Fa	hrenheit 20-30 Minutes		
	20 Minutes	25 Minutes	30 Minutes	
114.	Drive End Bearing Temps - Fa			
	35 Minutes	40 Minutes	45 Minutes	
115.	Drive End Bearing Temps - Fa	hrenheit 50-60 Minutes		
	50 Minutes	55 Minutes	60 Minutes	
116.	Opposite Drive End Bearing T	•		
	5 Minutes	10 Minutes	15 Minutes	
117.		emps - Fahrenheit 20-30 Minutes		
	20 Minutes	25 Minutes	30 Minutes	
118.		emps - Fahrenheit 35-45 Minutes		
	35 Minutes	40 Minutes	45 Minutes	
119.		emps - Fahrenheit 50-60 Minutes		
	50 Minutes	55 Minutes	60 Minutes	
120.	Stator Temperatures- Fahrenh			
	5 Minutes	10 Minutes	15 Minutes	
121.	Stator Temperatures- Fahrenh	eit 20-30 Minutes		
	20 Minutes	25 Minutes	30 Minutes	

122.	Stator Temperatures- F	ahrenheit 35-45 Minutes			
	35 Minutes	40 Minutes	45 Minute	es	
123.	Stator Temperatures- F	ahrenheit 50-60 Minutes			
	50 Minutes	55 Minutes	60 Minute	es	
124.	Final Test Run Sign-off				
125.	Document Final Conditi	ion with Pictures after paint			
126.	Final Pics and QC Revi	ew		Terrence. Holland	P2300
/-		2/llac			
	- And				