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

AC Recondition As Found

Remington (10243)
2592 AR Hwy 15 N
Lonoke, AR 72086

FolderID: 100350
FormID: 14663755

AC Recondition - Rev. 2

Location:	MOTOR SHOP LR
Serial Number:	P16092827

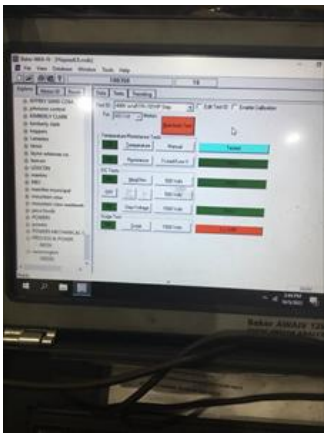
Description:3.77KW TARCISIO PUGNI 1800RPM SHAKER

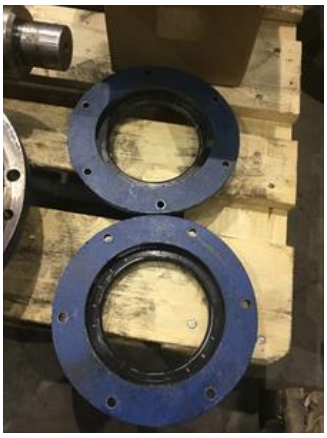
Hi-Speed Job Number:	100350
Manufacturer:	Other
Product Number:	PVF-F 270
Serial Number:	P16092827
HP/kW:	3.77 (kW)
RPM:	1800 (RPM)
Voltage:	230 / 460
Current:	12/7
Phase:	Three
Hz:	60 (Hz)
Enclosure:	TENV
J-box Included:	None
Coupling/Sheave:	None
Bearing RTDs:	No
Stator RTDs:	No
Repair Stage:	Teardown Inspection
Heaters:	No
Winding Type :	Random Wound
Bearing Type:	Rolling Element

Priorities Found: **1 - High** **6 - Good**

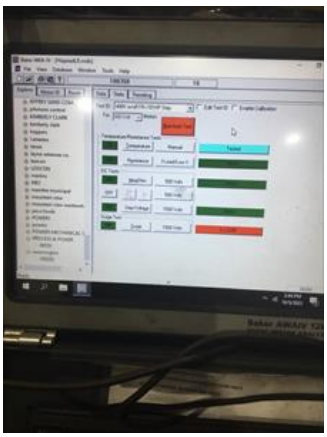
Overall Condition

1. Report Date
2. Nameplate Picture P21





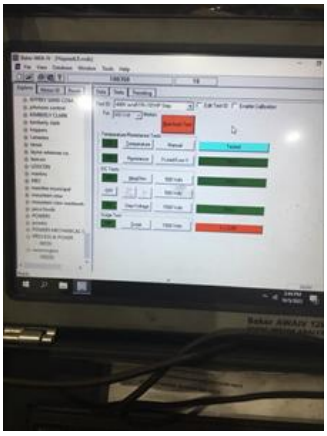
	3.	Photos of all six sides of the machine.	
	4.	Describe the Overall Condition of the Equipment as Received ***Serviceable***	
Initial Mechanical/Electrical			
●	5.	Does Shaft Turn Freely?	**(Yes) Yes**
	6.	Does Shaft Have Visible Damage?	**(No) No**
	7.	Assembled Shaft Runout	
	8.	Assembled Shaft End Play	
	9.	Air Gap Variation <10%	
●	10.	Lead Condition	**(P) Pass**
	11.	Lead Length	**48 Inches**
	12.	Frame Condition	**pass**
	13.	Fan Condition	**(N) NA**
	14.	Broken or Missing Components	
Initial Electrical Inspection			
	15.	Insulation Resistance/Megger	**Megohms** P5



	16.	Winding Resistance	

1-2	1-3	2-3

17.	Perform Surge Test	**(F) Fail**	P35



18.	Stator Condition	**rewind**

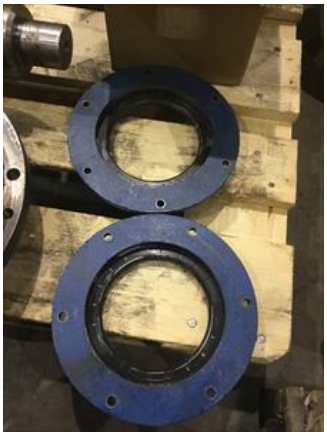
Mechanical Inspection

19.	Drive End Bearing Number-	**NJ 2317-E-TVP-QP51-C4**
20.	Drive End Bearing Qty.	**1**
21.	Drive End Bearing Type	**(Spherical) Spherical Roller Bearing** P20

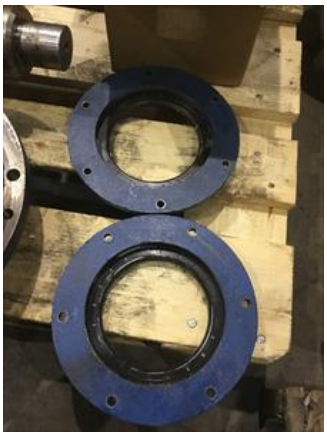
22.	Drive End Lubrication Type	**(Grease) Grease Lubricated**
23.	Drive End Bearing Insulation or Grounding Device?	**none**
24.	Drive End Wavy Washer/Snap-Ring Other Retention Device?	**none**
25.	Drive End Bearing Condition	**replace**
26.	Opposite Drive End Bearing Number-	**NJ 2317-E-TVP-QP 51-C4**
27.	Opposite Drive End Bearing Qty.	**1**

28.	Opposite Drive End Bearing Type	**(Spherical) Spherical Roller Bearing**	P50

29.	Opposite Drive End Lubrication Type	**(Grease) Grease Lubricated**	
30.	Opposite Drive End Bearing Insulation or Grounding Device?	**none**	
31.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	**none**	
32.	Opposite Drive End Bearing Condition	**replace**	
33.	Drive End Seal	**TC 85*120*12**	P58



34.	Opposite Drive End Seal	**TC 85*120*12**	P59



Rotor Inspection

35.	Rotor Type/Material	**(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast**

36.	Growler Test	
37.	Number of Rotor Bars	
38.	Rotor Condition	**good**
39.	List the Parts needed for the Repair Below	
40.	Signature of Technician that Disassembled Motor	**Terrence. Holland**

Mechanical Fits- Rotor

41.	Shaft Runout			**0.001 inches**
42.	Rotor Runout			
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing	
43.	Coupling Fit Closest to Bearing Housing			
	0 Degrees	90 Degrees	120 Degrees	
44.	Coupling Fit Closest to the end of the Shaft			
	0 Degrees	60 Degrees	120 Degrees	
45.	Drive End Bearing Shaft Fit			
	0 Degrees	60 Degrees	120 Degrees	
	3.3475	**3.3474**	**3.3475**	
46.	Drive End Bearing Shaft Fit Condition			**(P) Pass**
47.	Opposite Drive End Bearing Shaft Fit			
	0 Degrees	60 Degrees	120 Degrees	
	3.3475	**3.3473**	**3.3474**	
48.	Opposite Drive End Bearing Shaft Fit Condition			**(P) Pass**
49.	Shaft Air Seal Fits			
	Drive End Air Seal	Opposite Drive End Air Seal		

Mechanical Fits- Bearing Housings

50. Drive End - Endbell Bearing Fit

0 Degrees	60 Degrees	120 Degrees

51. Drive End - Endbell Bearing Fit Condition **(P) Pass**

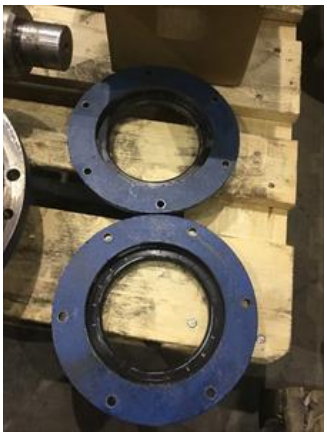
52. Opposite Drive End - Endbell Bearing Fit

0 Degrees	60 Degrees	120 Degrees

53. Opposite Drive End - Endbell Bearing Fit Condition **(P) Pass**

54. Bearing Cap Condition P30

Drive End Bearing Cap	Opposite Drive End Bearing Cap



55. End Bell Air Seal Fits

Drive End Air Seal	Opposite Drive End Air Seal

56. List Machine Work Needed Below

None

57. Technician **Terrence. Holland**

Root Cause of Failure

58. Failure locations

Windings

59. Root cause of failure