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

AC Recondition Repair Report

FolderID: 97456
FormID: 9137847

Green Bay Packaging, Pinecrest (11362)
P.O. Box 37
Plummerville, AR 72127

Performed By: Motor Shop LR 1
Date Completed: 11/12/2020

Priorities Found: **6 - High** **12 - Good**

General				
	1.	Job Number	**97456**	
	2.	Report Date		
	3.	Customer	**GREENBAY/ PINECREST**	
Name Plate Information				
	4.	Manufacturer	**TOSHIBA**	P5
	5.	Model	**B2504FLF4BM**	
	6.	Serial Number	**010201372**	
	7.	Horsepower	**250**	
	8.	KW		
	9.	Volts	**460**	
	10.	Amps	**288**	
	11.	RPM	**1780**	
	12.	Frame	**505UZ**	
	13.	Enclosure	**TEFC**	
	14.	Cycles	**60**	
	15.	Phase	**3**	
	16.	Service Factor	**1.15**	P85
	17.	Motor Mount Position	**F1**	
Initial Inspection				
	18.	Number of Leads	**12**	P13
	19.	Lead Length	**10 Inches**	
	20.	Lead Size	**2**	
●	21.	Lead Condition	**(P) Pass**	
	22.	Lead Markings	**1-12**	
	23.	Lug Size, Condition, and Type *#2*		
●	24.	Winding RTD's	**(N) No**	
	25.	Winding Rtd's Condition	**(NA) Not Applicable**	
	26.	Shaft Run Out	**0.0005**	
	27.	Does Shaft Turn Freely	**yes**	
	28.	Does Shaft Have Visible Damage	**no**	P94
●	29.	Bearing Rtd's	**(N) No**	
	30.	Bearing Rtd's Condition	**(NA) Not Applicable**	
	31.	Contamination *Yes , mixing grease*		P104
●	32.	Frame Condition	**(P) Pass**	

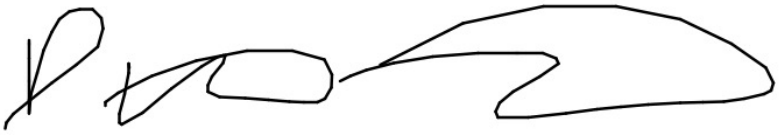
🟢	33.	Fan Condition	**(P) Pass**	P109
	34.	Broken or missing components		
		None		
Initial Electric Test				
	35.	Resistance to Ground		
	36.	Winding Resistance 1-2	**0.0127 Ohm**	
	37.	Winding Resistance 2-3	**0.0127 Ohm's**	
	38.	Winding Resistance 1-3	**0.0127 Ohm's**	
	39.	Resistive Imbalance		
	40.	Hi-Pot	**Ua**	
🟢	41.	Surge Test	**(P) Pass**	
🟢	42.	Stator Condition	**good**	P65
	43.	Failure Location		
Initial Rotor Inspection				
	44.	Rotor Type		P4
	45.	Air Gap <10% Variation		
	46.	Number of Rotor Bars		
	47.	Number of Broken Rotor Bars	**0**	
🟢	48.	Growler Test	**(P) Pass**	
🟢	49.	Rotor Condition	**(P) Pass**	
Mechanical Inspection				
	50.	Bearing Manufacture	**SKF**	P1
	51.	Bearing DE Size	**6322C3**	P15
	52.	Bearing DE Type	**Ball**	P23
	53.	DE Bearing Qty.	**Bad**	
	54.	Bearing ODE Size	**6318-2Z**	P43
	55.	Bearing ODE Type	**Ball**	P53
	56.	ODE Bearing Qty.	**Bad**	P59
	57.	Insulated Bearing	**no**	
	58.	Lubrication Type	**grease**	P69
🔴	59.	Grease Condition	**(F) Fail**	P74
	60.	Bearing Retainers	**(NA) Not Applicable**	
🔴	61.	Shaft Grounding Device	**(N) No**	
	62.	DE Seal	**(NA) Not Applicable**	
	63.	DE Seal Type/Size		
	64.	ODE Seal	**(NA) Not Applicable**	
	65.	ODE Seal Type/Size		
Root Cause of Failure				
	66.	Component Failure		
	67.	Cause of Failure		
	68.	Comments		
	69.	Service Technician	**Robert Wiley**	
Machine Fit Inspection Report				
🟢	70.	Shaft Run Out	**(P) Pass**	
	71.	Initial Shaft Run Out	**0.0005 "**	
	72.	Final Shaft Run Out	**0.0005 "**	
🟢	73.	DE Bearing Shaft Fit	**(P) Pass**	P39
	74.	DE Initial Shaft Bearing Fit Size 1	**4.3313 "**	

	75.	DE Initial Shaft Bearing Fit Size 2	**4.3313 "**	
	76.	DE Initial Shaft Bearing Fit Size 3	**4.3313 "**	
	77.	DE Finial Shaft Bearing Fit Size 1		
	78.	DE Finial Shaft Bearing Fit Size 2		
	79.	DE Finial Shaft Bearing Fit Size 3		
●	80.	ODE Bearing Shaft Fit	**(P) Pass**	P93
	81.	ODE Initial Shaft Bearing Fit Size 1	**3.5434 "**	
	82.	ODE Initial Shaft Bearing Fit Size 2	**3.5433 "**	
	83.	ODE Initial Shaft Bearing Fit Size 3	**3.5434 "**	
	84.	ODE Finial Shaft Bearing Fit Size 1		
	85.	ODE Finial Shaft Bearing Fit Size 2		
	86.	ODE Finial Shaft Bearing Fit Size 3		
	87.	DE Air Seal Shaft Fit		
	88.	DE Initial Air Seal Shaft Size		
	89.	DE Final Air Seal Shaft Size		
	90.	ODE Air Seal Shaft Fit		
	91.	ODE Initial Air Seal Shaft Size		
	92.	ODE Final Air Seal Shaft Size		
●	93.	DE Endbell Fit	**(P) Pass**	P129
	94.	DE Initial Endbell Fit Size 1	**9.449999999999999 "**	
	95.	DE Initial Endbell Fit Size 2	**9.449999999999999 "**	
	96.	DE Initial Endbell Fit Size 3	**9.4505 "**	
	97.	DE Final Endbell Fit Size 1		
	98.	DE Finial Endbell Fit Size 2		
	99.	DE Final Endbell Fit Size 3		
●	100.	DE Endbell Fit Insulated	**(N) No**	
	101.	DE Endbell Air Seal Fit		
	102.	Initial Endbell Air Seal Fit Size		
	103.	Finial Endbell Air Seal Fit Size		
●	104.	ODE Endbell Fit	**(F) Fail**	P145
	105.	ODE Initial Endbell Fit Size 1	**7.4824 "**	
	106.	ODE Initial Endbell Fit Size 2	**7.4828 "**	
	107.	ODE Initial Endbell Fit Size 3	**7.4813 "**	
	108.	ODE Final Endbell Fit Size 1	**7.4811 "**	P149
	109.	ODE Final Endbell Fit Size 2	**7.481 "**	
	110.	ODE Final Endbell Fit Size 3	**7.4811 "**	
	111.	ODE Endbell Fit Insulated		
	112.	ODE Endbell Air Seal Fit		
	113.	ODE Initial Endbell Seal Fit Size		
	114.	ODE Finial Endbell Seal Fit Size		
	115.	Foot Flatness		
	116.	Foot Condition		
	117.	Flange Condition		
	118.	Service Technician	**Robert Wiley**	

Balancing Report

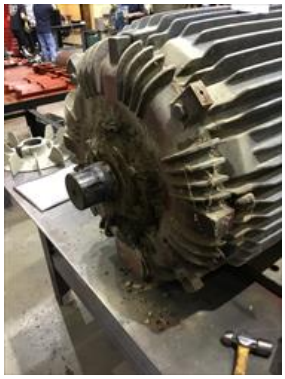
	119.	Balance Type		
	120.	Balance Operating Speed		
	121.	Start Left End		

122.	Start Right End		
123.	Balancing Specification		
124.	Finish Left End		
125.	Finish Right End		
126.	Service Technician		
Assembly and Final Test			
127.	Meggar Testing Reading		
128.	Surge Test		
129.	Hi-Pot		
130.	Winding Resistance 1-2		
131.	Winding Resistance 2-3		
132.	Winding Resistance 1-3		
133.	Test Run Voltage Phase A		
134.	Test Run Amps A		
135.	Test Run Voltage Phase B		
136.	Test Run Amps B		
137.	Test Run Voltage Phase C		
138.	Test Run Amps C		
139.	DE Horizontal Vibration Reading	**0.0278 In/Sec**	
140.	DE Vertical Vibration Reading	**0.0234 In/Sec**	
141.	DE Axial Vibration Reading	**0.0741 In/Sec**	
142.	ODE Horizontal Vibration Reading	**0.0665 In/Sec**	
143.	ODE Vertical Vibration Reading	**0.032 In/Sec**	
144.	ODE Axial Vibration Reading	**0.0279 In/Sec**	
145.	Ambient Temp at start of Test Run		
146.	Temp at 5 minutes		
147.	Temp at 10 minutes		
148.	Temp at 15 minutes		
149.	Temp at 20 minutes		
150.	Temp at 25 minutes		
151.	Temp at 30 minutes		
152.	Temp at 35 minutes		
153.	Temp at 40 minutes		
154.	Temp at 45 minutes		
155.	Temp at 50 minutes		
156.	Temp at 55 minutes		
157.	Temp at 60 minutes		
158.	Motor Paint	**(P) Pass**	P136
159.	Service Technician	**David Maclin**	

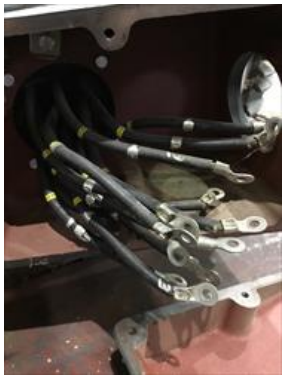


P1.1

P4.2

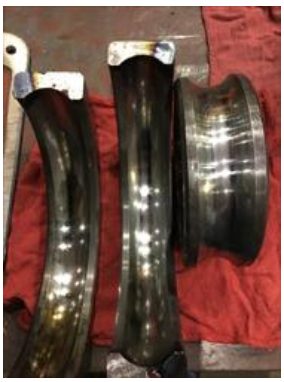


P5.3



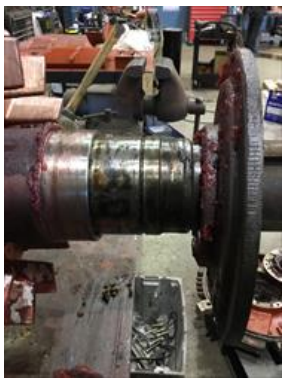
P13.4: 12

P15.5

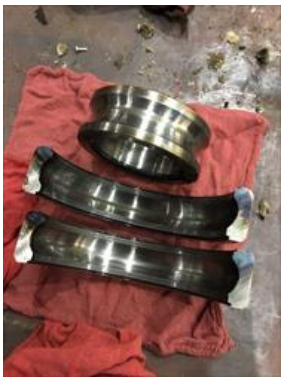


P15.6

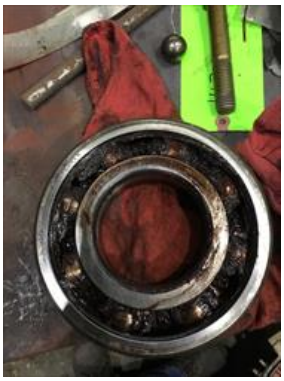
P23.7



P39.8

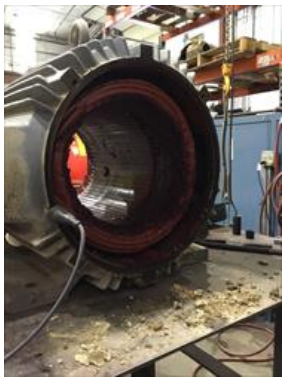


P43.9



P53.10

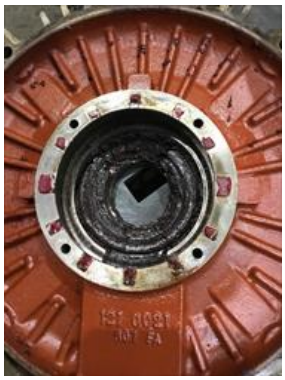
P59.11



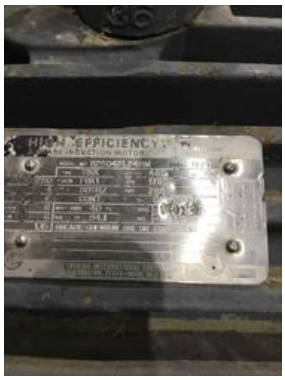
P65.12

P65.13

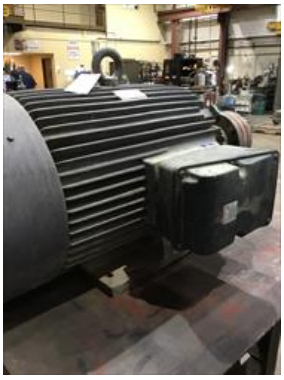
P69.14



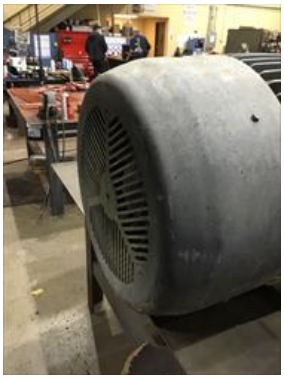
P74.15



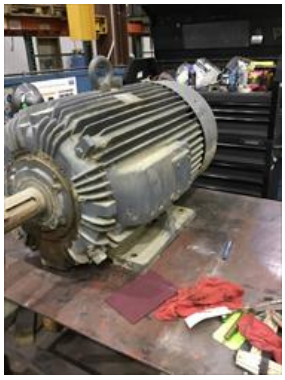
P85.16



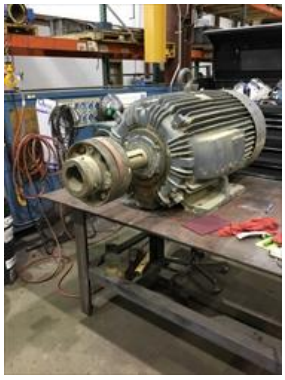
P85.17



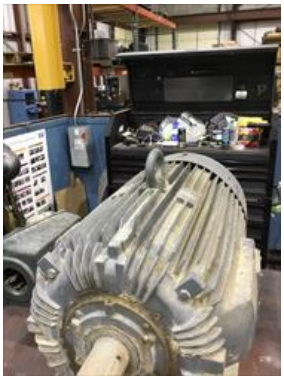
P85.18



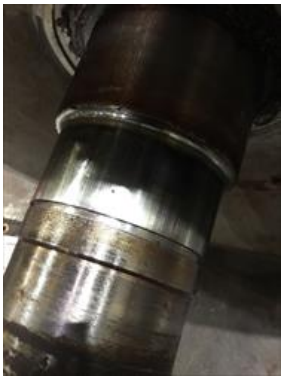
P85.19



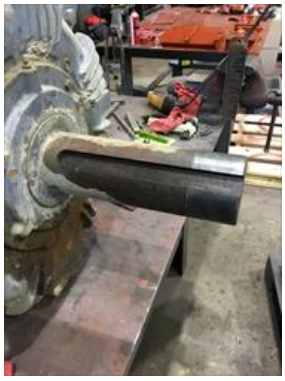
P85.20



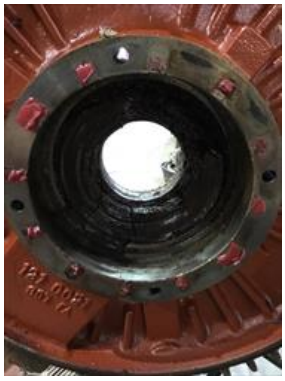
P85.21



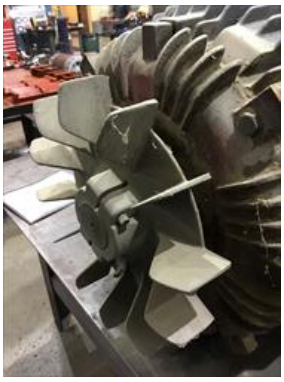
P93.22



P94.23



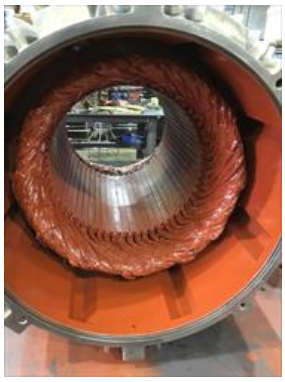
P104.24



P109.25

P129.26

P136.27



P136.28

P136.29

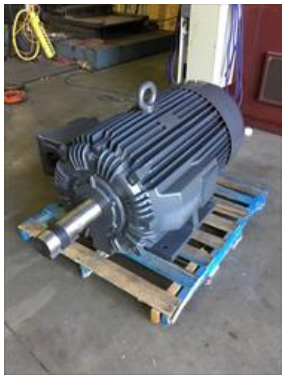
P136.30

P136.31

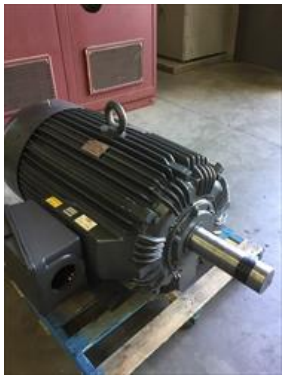
P136.32

P136.33

P136.34



P136.35



P136.36

P145.37

P145.38

P149.39