

Job Information

Job #:	95974				Date:	September 10, 2019
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

Name:	Arkansas Electric		Reason:	
Contact:		Motor#:		PO#:
Application:	_	Special notes:		

Name Plate Information

Manufacturer:	Toshiba	Enclosure :	Open Drop Proof (ODP)
Serial#:	90800278	Model#:	B10006UGF4U3
Service Factor:	1.15	Frame:	444T
Horsepower/kW:	100	Rated RPM:	1180
Rated Amps:	24.6/12.3	Rated Voltage:	230/460
Phase:	3	Cycles:	60

Enclosure Type image



Nameplate

Special design:

DE

No

ODE

F1

F2

Тор







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Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?:	Yes	Contaminant(s):	None
Shaft rotation:	Bi-directional	Contaminant(s) Amt:	None
Shaft grounding device present?:	No		
Type of grounding device:			

Shaft runout(TIR-Inbound):

Bearings DE:	Worn	Bearings DE make:	NTN
Insulated:	No	Bearing DE Size:	318Z
Bearings ODE:	Worn	Bearings ODE make:	NTN
Bearing Type:	Ball	Bearing ODE Size:	318Z
Bearings Retainer:	Yes	Thermal Protection:	No
Retainer condition:	Good	Thermal Protection Type:	_

Bearing Type Image



Bearing Make Image



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Thermal Protection



Mechanical Inspection (Continued)

Lubrication Type:	Grease	Thermal Protection device DE:	_
Lubrication brand inbound:	Mobile Polyrex EM	Thermal Protection device ODE:	_
Lubrication brand outbound:	Mobile Polyrex EM		
Grease Amt DE:	Full	Grease Cond. DE:	New
Grease Amt ODE:	Full	Grease Cond. ODE:	New
Seals DE type:	Slinger		
Seals DE size:			
Seals DE (inbound) condition :			
Seals ODE type:	Slinger		
Seals ODE size:			
Seals ODE (inbound) condition :			
Shaft damage cause:	None	Shaft Image:	



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Mechanical Inspection (Continued)

Brg. Image:



Water jacket: N/A

Fan:

N/A

Frame cond.: Good



Motor Mount Position: Horizontal/Foot mount Endbell type: Missing parts? Endbell Image: J-Box cover O-rings J-Box HH cover None Glands

Other missing parts

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Single piece







Mechanical Inspection (Continued)

Air Gap Meaurements (N/A on Single Pie	Does Air Gap Meet Customer or EASA spec(<10% variation)?	
DE @ 0	ODE @ 0	_
DE @ 90	ODE @ 90	
DE @ 180	ODE @ 180	
DE @ 270	ODE @ 270	

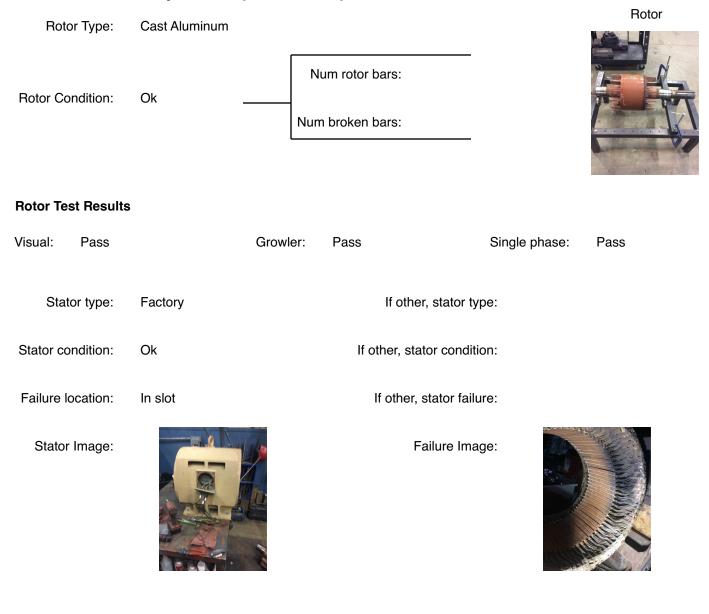
AC Electrical Inspection

Number of leads:	3	Terminal Markings:				
Length of leads:	14.5	REF: NEMA Stds. MG 1-2009, Rev. 1-2010, 2.41-Terminal Markings Identified By Color:				
Size of leads:		1-Blue 2-White 3-Orange	5-Black 6-No color assigned 7-No color assigned	P1-No color assigned P2-Brown		
Lead condition:	Good	4-Yellow	8-Red			
Lug type:		Connections As Re	eceived:			
Lug Condition:	_		Terminal	Lugs		
Lug size:						
Lug Attachment:	_					

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AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding color:	Dull black	Winding	g image	Winding Therma	I Protection	: Yes	
Winding condition :	Charred						
Winding Thermal Protection DE:	_						
Winding Thermal Protection ODE:	_						
Stator test results:	Rewind						
Megs incoming: Go	ood	Surge incoming:	Bad	Hi-pot in	coming:	Bad	
Winding Resistance In	coming						
Phase	es A to B	Phases B to C	Phase	es C to A	Resistive i	mbalance	
Incoming							
Leads/jumpe	ers: Ok						
If other, leads/jumpe	ers:						

Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Shaft Condition:	Good	Bearings Retainer:	Yes
Type of grounding device:		Bearing DE Size:	318Z
Shaft runout(TIR-Inbound):	.002	Bearing ODE Size:	318Z
Retainer condition:	Good		

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Mechanical Inspection (Continued)

Seals DE condition :	None	Brg. Seats DE:	Good
Seals DE type:	N/A	If DE undersized, amt.:	
Seals DE size:		Brg. Seats ODE:	Good
Seals DE (inbound) condition :		If ODE undersized, amt.:	
Seals ODE condition :	None	Shaft damage:	ОК
Seals ODE type:	N/A		
Seals ODE size:		Bushings/sleeves DE:	Ok
Seals ODE (inbound) condition :		Bushings/sleeves ODE:	Ok
Endbell fits/damage:	Good	Foot/Flange condition:	Ok
Endbell DE size:	7.4803	Foot flatness:	Pass
Endbell DE insulated?:	No		stomer or EASA spec(<10%
Endbell ODE size:	7.4803	variation)?	
Endbell ODE insulated?:	No		

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Conclusion

Component Failure

Cause of Failure

Windings show coil to coil short.

Comments

All machine fits measure good.

Service Tech name: Terrence Holland

Service Tech signature:

Lenene Holland

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