

Job Information

Job #:	137790				Date:	July 23, 2018
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

Name:	Nucor-Yamato steel co.	Reason:		
Contact:	Rene Daigle	Motor#:		PO#:
Application:	_	Special notes:		

Name Plate Information

Manufacturer:		Toshiba Corp.	Enclosure :	Open Drop Proof (ODP)		Enclosure Type image	
Serial#: 8716 455		Model#:	(02.)		- 8		
Service Factor:			Frame:	: DS810			
Horsepower/kW: 24.6		24.6	Rated RPM:	550			
	Volts 116 Amps 252			Г			
Armature			Fields	Volts 230)		
				Amps 252	2		
Nameplate		DE	ODE	F1	F2	2 Тор	
And and a second	a						



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Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?:	Yes
Shaft rotation:	CCW
Shaft Condition:	_
Shaft grounding device present?:	No
Type of grounding device:	
Shaft runout(TIR-Inbound):	.001

Bearing Type Image



Bearing Make Image



Lubrication Type:	Grease
Lubrication brand inbound:	Mobile Polyrex EM
Lubrication brand outbound:	Mobile Polyrex EM
Grease Amt DE:	Full
Grease Amt ODE:	Full

Contaminant(s): Dirt Contaminant(s) Amt: Gallon Contaminant Image:

Bearing Retainer Image



Thermal Protection



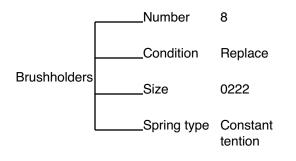
Thermal Protection device DE:	N/A
Thermal Protection device ODE:	N/A
Grease Cond. DE:	New
Grease Cond. ODE:	New

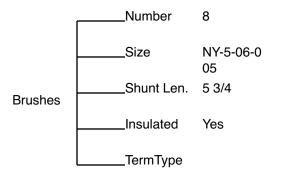
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Mechanical Inspection (Continued)





Brg Image



Shaft Image



Brushing/sleeves



End bell



Water jacket: N/A

Fan: N/A Frame cond .:

Bad







Motor Mount Position: Horizontal/Foot mount

Foot/Flange condition: Ok

Foot flatness: Pass

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	MILLI	NGTON, TN LITTLE ROCK, AR		
Mechanical Inspection (Contir	nued)			
Missing parts?				
J-Box cover O-rings	J-Box HH cove	er 🗌 Glands 🗌 None		
Other missing parts				
Air Gap Meaurements (N/A on Single Piec	e Endbell)	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			
Electrical Inspection				
_				

Move armature imbalance to Assemble Commutator: Salvageable

Winding Inspection

Meg Test IP to Flds: Bad Polarity Check IP to Flds: -

Meg Series to Shunt:

—

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MILLINGTON, TN LITTLE ROCK, AR

DC Electrical Inspection







Commutator Type:	Tig welded		
Commutator Hardness:	Good		

Commutator Condition : Oil soaked

Commutator Film:

Ok



Commutator images





Armature type: Factory If other Failure mode: If other Ok Failure location: Front V ring If other Armature condition: Solid If other

Winding color:

Fax 901-873-5301

Still has color

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CENTRAL ARKANSAS 6812 Lindsey Rd. Little Rock, AR 72206 Phone 501-375-9178 Fax 501-375-4254

Armature images





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DC Electrical Inspection (Continued)							Armature image	
Armature Test Results								
Megs:	Bad		Hi-pot:	li-pot: Good Cor		Core loss: Good		
Fields con	dition							
Series/Stab condition: Ok Fields condition image:								
	Shunts	s condition:	Ok					
lı	nterCoils	s condition:	Ok					24.1 151
Fields test	Fields test results							
S	Series/St	tab Me	g: Ok		Hi Pot:	Ok	Resista	ance: Ok
	Shu	nts Me	g: Bad		Hi Pot:	Ok	Resista	ance: Ok
	InterCo	oils Me	g: Bad		Hi Pot:	Ok	Resista	ance: Ok
Thermis	tors:	None						Field Test image
F	RTD:	None				At		
Thermo	stat:	None						

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Leads/jumpers: Ok

Lead jumper Image:



Conclusion

Component Failure

Armature and field failure

Cause of Failure

Insulation failure

Comments

Service Tech name: Dan Mahan

Service Tech signature:



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