

# **Job Information**

Job #:	95283				Date:	February 28, 2019
Priority:	_	Authorized OT:	No	Authorized by:		

### **Customer Information**

Name:	Name: Saint Gobain		Reason:	
Contact:		Motor#:		PO#:
Application:	_	Special notes:		

### **Name Plate Information**

Manufacturer:	Toshiba	Enclosure :	Open Drop Proof (ODP)
Serial#:	1360	Model#:	B1254F1-F4-1S- HO1
Service Factor:	1.15	Frame:	444T
Horsepower/kW:	125	Rated RPM:	1785
Rated Amps:	290/145	Rated Voltage:	230/460
Phase:	3	Cycles:	60

#### Enclosure Type image



Nameplate

Special design:

DE

No

ODE

F1

F2

Тор









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#### **MILLINGTON, TN** LITTLE ROCK, AR

# **Mechanical Inspection**

#### Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?:	Yes	Contaminant(s):	Other
Shaft rotation:	Bi-directional	Contaminant(s) Amt:	Other
Shaft grounding device present?:	No	Contaminant Image:	AND THE PERSON AND AND AND AND AND AND AND AND AND AN
Type of grounding device:			
Shaft runout(TIR-Inbound):	0.001		
Bearings DE:	Worn	Bearings DE make:	SKF
Insulated:	No	Bearing DE Size:	NU-318-ECM-C3
Bearings ODE:	Worn	Bearings ODE make:	SKF
Bearing Type:	Ball	Bearing ODE Size:	6318-2Z-C3
Bearings Retainer:	Yes	Thermal Protection:	No

Retainer condition:

Good



Bearing Type Image

Bearing Make Image



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Thermal Protection Type:

**Thermal Protection** 

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# **Mechanical Inspection (Continued)**

Lubrication Type:	Grease	Thermal Protection device DE:	_
Lubrication brand inbound:	Unknown	Thermal Protection device ODE:	_
Lubrication brand outbound:	Unknown		
Grease Amt DE:	Full	Grease Cond. DE:	Charred
Grease Amt ODE:	Full	Grease Cond. ODE:	Charred
Seals DE type:	N/A		
Seals DE size:			
Seals DE (inbound) condition :			
Seals ODE type:	N/A		
Seals ODE size:			
Seals ODE (inbound) condition :			
Shaft damage cause:	None	Shaft Image:	



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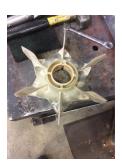
#### **Mechanical Inspection (Continued)**

Brg. Image:



Water jacket:	N/A
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Fan: Ok



Endbell Image:

Frame cond.: Good

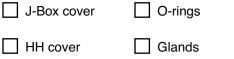


Motor Mount Position:

Horizontal/Foot mount

Endbell type:

Single piece



None

J-Box





Other missing parts

Missing parts?

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# **Mechanical Inspection (Continued)**

Air Gap M	eaurements (N/A on Single Piece E	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**

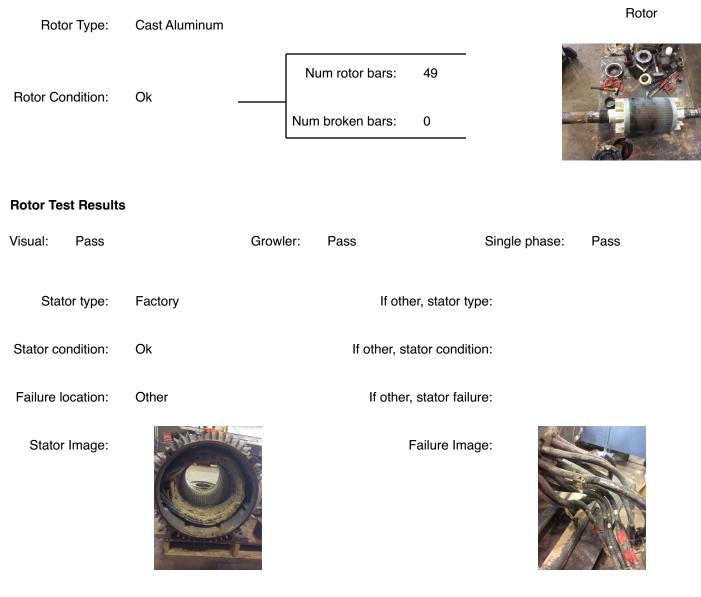
Number of leads:	9	Terminal Markings:		
Length of leads:	16inch	REF: NEMA Std Markings Identif	ls. MG 1-2009, Rev. 1- ied By Color:	2010, 2.41-Terminal
Size of leads:		1-Blue 2-White 3-Orange	5-Black 6-No color assigned 7-No color assigned	P1-No color assigned P2-Brown
Lead condition:	Bad	4-Yellow	8-Red	
Lug type:		Connections As Re	eceived:	
Lug Condition:	Good		Terminal	Lugs
Lug size:				
Lug Attachment:	Acceptable			

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#### **AC Electrical Inspection (Continued)**



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#### **AC Electrical Inspection (Continued)**

Winding color:	Still has color	Winding	g image W	/inding Therma	I Protection:	No
Winding condition :	Solid	and the second se				
Winding Thermal Protection DE:			35			
Winding Thermal Protection ODE:						
Stator test results:	Salvageable					
Megs incoming:	Good	Surge incoming:	Good	Hi-pot in	coming:	Good
Winding Resistance	Incoming					
Ph	ases A to B	Phases B to C	Phases (	C to A	Resistive ir	nbalance
Incoming 3.	.5	2.8	3.1			
Leads/jur	npers: Replace		Lead ju	Imper Image. :	Non-American States	And Second States
If other, leads/jur	mpers:				The second se	Alars Ale
Mechanical In	spection				*	
Inspect bolt holes and	d fasteners. Valida	te correct fasteners.				
Shaft C	ondition: Good		Bearings F	Retainer: Ye	es	

Type of grounding device:

Shaft runout(TIR-Inbound): 0.001

Retainer condition: Good

Bearings Retainer: Yes Bearing DE Size: 6318-2Z-C3 Bearing ODE Size: NU-318-ECM-C3

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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?:	_	Does Air Gap Meet Customer or EASA sp	tomer or EASA spec(<10%
Endbell ODE size:	7.4790(BAD)	variation)?	
Endbell ODE insulated?:	_	_	

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#### Conclusion

#### **Component Failure**

Both bearings were worn an ODE fit was too small

#### **Cause of Failure**

Contaminated grease

#### Comments

The leads looked as though they have been smashed an there is bare wires showing. Recommend re-lead on wires,

Service Tech name: Chris Wiley

Service Tech signature:

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