

Job Information

Job #:	95028				Date:	January 7, 2019
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

Name:	Name: Flakeboard		Reason:	
Contact:		Motor#:		PO#:
Application:	_	Special notes:		

Name Plate Information

Manufacturer:	Worldwide	Enclosure :	Totally Enclosed Fan Cooled
Serial#:	1006CAJ	Model#:	WWE150-12-447T
Service Factor:		Frame:	447T
Horsepower/kW:	150	Rated RPM:	1190
Rated Amps:	342/171	Rated Voltage:	230/460
Phase:	3	Cycles:	60
Special design:	No		

Enclosure Type image



Nameplate

DE

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:	None		

Shaft runout(TIR-Inbound):

Bearings DE:	Worn	Bearings DE make:	SKF
Insulated:	No	Bearing DE Size:	NU319 ECM/C3
Bearings ODE:	Worn	Bearings ODE make:	NACHI
Bearing Type:	Cylindrical roller	Bearing ODE Size:	6313 NSE
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:	Unknown	Thermal Protection device ODE:	_
Lubrication brand outbound:	Unknown		
Grease Amt DE:	Full	Grease Cond. DE:	Hard
Grease Amt ODE:	Full	Grease Cond. ODE:	Watery
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:	1ª



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Mechanical Inspection (Continued)

Brg. Image:



Water jacket:

N/A

Fan: Ok



Endbell Image:

Frame cond.: Good



Motor Mount Position:

Horizontal/Foot mount

Endbell type:

Single piece

Missing parts? J-Box cover O-rings

J-Box Glands

None





Other missing parts

HH cover

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Mechanical Inspection (Continued)

Air Gap Meaurements (N/A on Singl	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	

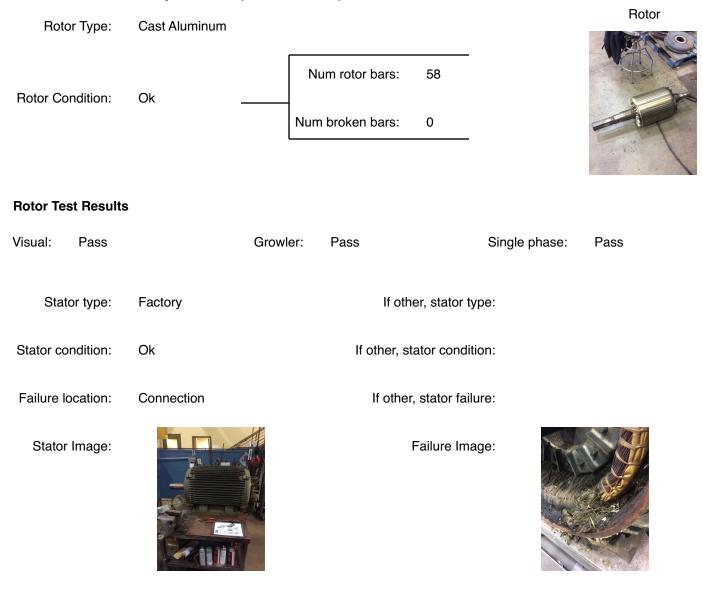
AC Electrical Inspection

Number of leads:	3	Terminal Markin	gs:	
Length of leads:	14"		Stds. MG 1-2009, Rev. 1- ntified 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:	Good	4-Yellow	8-Red	
Lug type:		Connections As	Received:	
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:	Dull black	Winding	g image	Winding Therma	I Protection:	No			
Winding condition :	Charred				arkniyzar 2	4807 07% 00 end 24.27 Total and end 24.27 Total and end 24.27 Total and end 24.27 Total and end 14.27 Tota			
Winding Thermal Protection DE:	_								
Winding Thermal Protection ODE:	_								
Stator test results:	Rewind								
Megs incoming: Go	bod	Surge incoming:	Bad	Hi-pot in	icoming: B	ad			
Winding Resistance In	coming								
Phas	es A to B	Phases B to C	Phase	es C to A	Resistive im	palance			
Incoming 42.2		38.6	36.7		9.3				
Leads/jump	ers: Ok								
If other, leads/jump	ers:								

Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Shaft Condition:	Good	Bearings Retainer:	Yes
Type of grounding device:		Bearing DE Size:	NU 319 ECM/C3
Shaft runout(TIR-Inbound):		Bearing ODE Size:	6313 NSE

Retainer condition:

n: Good

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Mechanical Inspection (Continued)

Seals DE condition :	Worn	Brg. Seats DE:	Good
Seals DE type:	Slinger	If DE undersized, amt.:	
Seals DE size:		Brg. Seats ODE:	Good
Seals DE (inbound) condition :		If ODE undersized, amt.:	
Seals ODE condition :	Worn	Shaft damage:	ОК
Seals ODE type:	Slinger		
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:	7.8748	Foot flatness:	Pass
Endbell DE insulated?:	No		stomer or EASA spec(<10%
Endbell ODE size:	5.5136(bad)	variation)?	
Endbell ODE insulated?:	No		

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Conclusion

Component Failure

Windings

Cause of Failure

Excessive amount amounts of water and debris inside motor housing and connection box.

Comments

Coil head on Opposite drive end has blackened marks indicating approximate failure area. Also found excessive amounts of debris inside the motor on both ends. Connection box also contained water inside of it as well.

Service Tech name: Terrence Holland

Service Tech signature:

All_

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