

Job Information

Job #:	94935				Date:	December 3, 2018
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

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

Name Plate Information

Manufacturer:	Reliance	Enclosure :	Open Drop Proof (ODP)
Serial#:	Type:P	Model#:	ID# 2MA460269-66-KY
Service Factor:	1.15	Frame:	444TS
Horsepower/kW:	100	Rated RPM:	1180
Rated Amps:	120	Rated Voltage:	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.

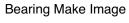
Does the shaft turn freely?:	Yes	Contaminant(s):	None
Shaft rotation:	Bi-directional	Contaminant(s) Amt:	None
Shaft grounding device present?:	No	Contaminant Image:	
Type of grounding device:			
Shaft runout(TIR-Inbound):			The second second

Bearings DE:	Worn	Bearings DE make:	SKF
Insulated:	No	Bearing DE Size:	6318
Bearings ODE:	Worn	Bearings ODE make:	SKF
Bearing Type:	Ball	Bearing ODE Size:	6213
Bearings Retainer:	Yes	Thermal Protection:	No
Retainer condition:	Good	Thermal Protection Type:	_

Bearing Type Image



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Bearing Retainer Image



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:	Gritty
Grease Amt ODE:	Full	Grease Cond. ODE:	Gritty
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:	Ok
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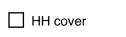
Fan:

Ok

Frame cond.: Good



Endbell type: Motor Mount Position: Horizontal/Foot mount Missing parts? Endbell Image: O-rings J-Box cover J-Box



Glands None Single piece



Other 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

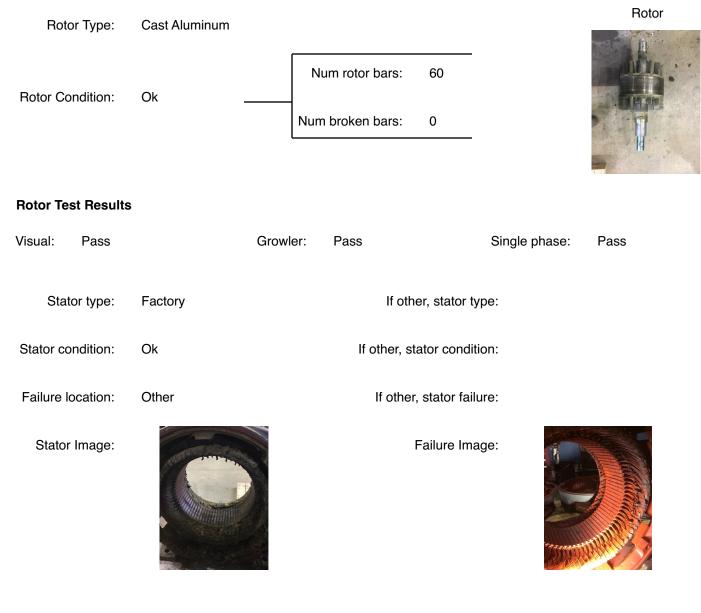
Number of leads:	3	Terminal Markings		
Length of leads:	20"	REF: NEMA St Markings Ident	tds. MG 1-2009, Rev. 1- tified By Color:	2010, 2.41-Terminal
Size of leads:		1-Blue 2-White 3-Orange	5-Black 6-No color assigned 7-No color assigned	P1-No color assigned P2-Brown
Lead condition:	Good	4-Yellow	8-Red	
Lug type:		Connections As F	Received:	
Lug Condition:	Good		Terminal	Lugs
Lug size:				
Lug Attachment:	Acceptable			600

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AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding color:	Still has color	Winding	image	Winding Therma	I Protection:	No
Winding condition :	Solid				to Analyzer 2 Mark Active 2 Mark Active 3	Nor 1897 - 799 - 7) 3 23 Tel II 1806 0000 2005 2
Winding Thermal Protection DE:	_				decklader, D. 1 % Institutions Reported Reported Report Resultion	ead-60 dilident hudebo disclorat 50 50 2525 462 5 12 2000 50 2555 462 5 12 2000 50 2000 5000 5
Winding Thermal Protection ODE:	_					Help Tomore (Mini et) East
Stator test results:	Rewind					
Megs incoming: Go	ood	Surge incoming:	Good	Hi-pot in	coming: (Good
Winding Resistance In	coming					
Phase	es A to B	Phases B to C	Phase	es C to A	Resistive im	balance
Incoming 0.10	6	0.106	0.106	3	0.1	
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:	6318
Shaft runout(TIR-Inbound):	.001	Bearing ODE Size:	6213

Retainer condition: Good

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Mechanical Inspection (Continued)

Seals DE condition :	Worn	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 :	Worn	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:	7.4814	Foot flatness:	Pass
Endbell DE insulated?:	No		stomer or EASA spec(<10%
Endbell ODE size:	(Bad) 4.7263	variation)?	
Endbell ODE insulated?:	No		

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Conclusion

Component Failure

Winding strings are burnt.

Cause of Failure

Flash fire inside stator assembly. Recommend rewind of stator.

Comments

Winding strings are burnt from an apparent flash fire. Also the o.d.e housing fit measures too large.

Service Tech name:

Terrence Holland

Service Tech signature:

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