

Job Information

Job #:	94425			Date:	June 18, 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#:		Model#:	2MA460269-G5- KY
Service Factor:		Frame:	444TS
Horsepower/kW:	100	Rated RPM:	1180
Rated Amps:	120	Rated Voltage:	460
Phase:	3	Cycles:	60
Special design:	No		

Enclosure Type image



Nameplate

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):	.001		
Bearings DE:	Worn	Bearings DE make:	SKF
Insulated:	No	Bearing DE Size:	6318 2Z/C3
Bearings ODE:	Worn	Bearings ODE make:	SKF

Bearings Retainer:YesThermal Protection:Retainer condition:GoodThermal Protection Type:

Bearing Type Image

Bearing Type:

Ball



Bearing Make Image



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Bearing Retainer Image

Bearing ODE Size:



Thermal Protection

6213 2Z/C3

No

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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:	Watery
Grease Amt ODE:	Full	Grease Cond. ODE:	Watery
Seals DE type: Seals DE size: Seals DE (inbound) condition :	N/A	Seals Image:	
Seals ODE type: Seals ODE size: Seals ODE (inbound) condition :	N/A	Seals Image 2:	

Shaft Image:

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Shaft damage cause:

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None



Mechanical Inspection (Continued)

Brg. Image:



Bushings/sleeves image:



Water jacket: N/A



Fan:



N/A





Motor Mount Position:

Horizontal/Foot mount

Missing parts?

J-Box cover	O-rings
HH cover	Glands

None

J-Box

Endbell type:

Single piece

Endbell Image:



Other missing parts

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Mechanical Inspection (Continued)

Air Gap Meaurements (N/A on Single F	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	

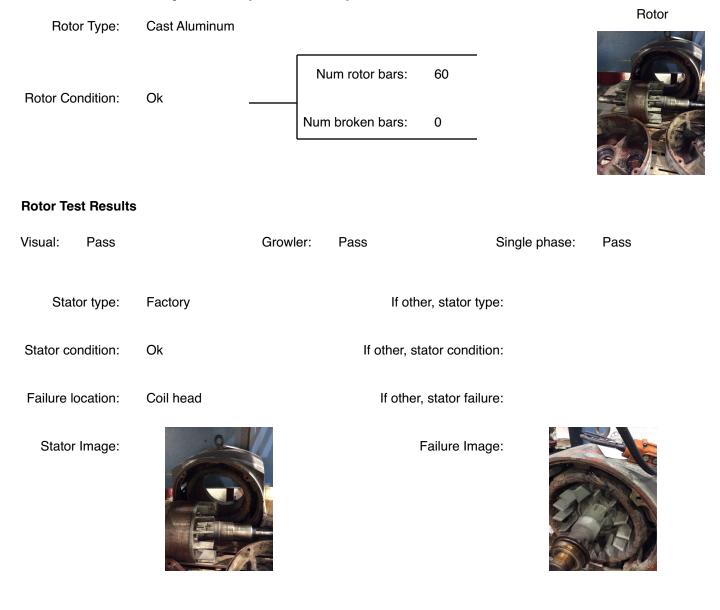
AC Electrical Inspection

Number of leads:	3	Terminal Markings:			
Length of leads:	22"	REF: NEMA Stds. MG 1-2009, Rev. 1-2010, 2.41-Terminal Markings Identified By Color:			
Size of leads:		1-Blue 2-White	5-Black 6-No color assigned	P1-No color assigned P2-Brown	
Lead condition:	Good	3-Orange 4-Yellow	7-No color assigned 8-Red		
Lug type:		Connections As Re	ceived:		
Lug Condition:	Good		Terminal	Lugs	
Lug size:					
Lug Attachment:	_				

1.600



AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding color: Winding condition		Winding) image Wind	ling Thermal Protection	n: No
Winding Therma Protection DE					
Winding Therma Protection ODE					
Stator test results	Rewind				
Megs incoming: B	ad	Surge incoming:	Bad	Hi-pot incoming:	Bad
Winding Resistance	eIncoming				
Př	nases A to B	Phases B to C	Phases C to	A Resistive	imbalance
Incoming 0	.149	0.120	0.149	19.3	
Leads/jui If other, leads/jui			Lead jumper li	mage. :	

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Conclusion

Component Failure

Windings

Cause of Failure

Windings failed on coil edge

Comments

Found excessive amounts of dirt and debris in windings. Also found water inside end bell housing.

Service Tech name:

Terrence Holland

Service Tech signature:

Penne and

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