

### **Job Information**

Job #:	94035				Date:	March 6, 2018
Priority:	_	Authorized OT:	No	Authorized by:		

#### **Customer Information**

Name:	Up railroad	Reason:				
Contact:		Motor#:	P1862702	PO#:		
Application:	_	Special not	es:			

#### **Name Plate Information**

Manufacturer:	Vaughan	Enclosure :	Totally Enclosed Non-Ventilated	I
Serial#:	122606	Model#:		
Service Factor:	1.15	Frame:	X180ty	
Horsepower/kW:	5	Rated RPM:	1725	
Rated Amps:	14/7	Rated Voltage:	230/460	
Phase:	3	Cycles:	60	
Special design:	No			

#### Enclosure Type image









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:	CW	Contaminant(s) Amt:	None
Shaft grounding device present?:	No	Contaminant Image:	3 - 20-7
Type of grounding device:			
Shaft runout(TIR-Inbound):			
Bearings DF:	Worn	Bearings DF make	FAG

FAG	Bearings DE make:	Worn	Bearings DE:
	Bearing DE Size:	No	Insulated:
FAG	Bearings ODE make:	Worn	Bearings ODE:
	Bearing ODE Size:	Ball	Bearing Type:
Yes	Thermal Protection:	Yes	Bearings Retainer:

Retainer condition:

#### Bearing Type Image



Bearing Make Image



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Thermal Protection Type:

Thermal Protection

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

Lubrication Type:	Oil	Thermal Protection device DE:	_
Lubrication brand inbound:	Unknown	Thermal Protection device ODE:	_
Lubrication brand outbound:	Unknown		
Grease Amt DE:	N/A	Grease Cond. DE:	Other
Grease Amt ODE:	N/A	Grease Cond. ODE:	Other
Seals DE type:	N/A	Seals Image:	
Seals DE size:			1 Contraction

Seals DE (inbound) condition :

Seals ODE type: N/A

:

Seals ODE size:

Seals ODE (inbound) condition

Shaft damage cause:

Seals Image 2:



Shaft Image:



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None



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

Brg. Image:



Bushings/sleeves image:

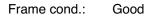


Water jacket: N/A



Fan: N/A

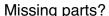






Motor Mount Position:	Hori

rizontal/Flange mount



0		

J-Box	cover

HH cover

er 🗌 Glands

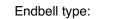
O-rings

None

J-Box

Other missing parts

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Single piece

Endbell Image:





## **Mechanical Inspection (Continued)**

Air Gap Meaurements (N/A on S	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	

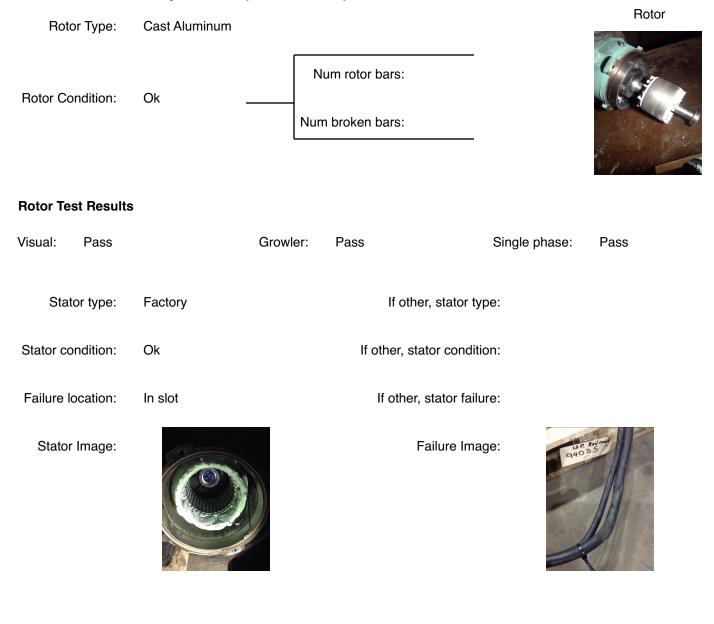
## **AC Electrical Inspection**

Number of leads:	9	Terminal Markings:		
Length of leads:		REF: NEMA Stds Markings Identifie	s. MG 1-2009, Rev. 1- ed 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:	Worn	4-Yellow	8-Red	
Lug type:		Connections As Red	ceived:	
Lug Condition:	_	TT	Ferminal	Lugs
Lug size:		Data All state   Temperature All state	1 Your (and You) You (You (You)) 3 Sand J. Sand J. Sand J. Sand You 4 Sand J. Sand J. Sand You 4 Sand J. Sand J. Sand You 5 Sand J. Sand J. Sand You 1 Sand J. Sand J. Sand J. Sand You 1 Sand J. Sa	
Lug Attachment:	_			

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



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# **AC Electrical Inspection (Continued)**

Winding colo	or: Still has color	Windin	g image	Winding Thermal Protection	n: Yes
Winding condition	n : Solid				
Winding Therm Protection DI					
Winding Therm Protection ODI					
Stator test result	s: Rewind				
Megs incoming:	Good	Surge incoming:	Bad	Hi-pot incoming:	Bad

Winding Resistance	Incoming
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	Phases A to B	Phases B to C	Phases C to A	Resistive imbalance
Incoming	3.7	3.7	3.6	1.3

Leads/jumpers: Ok

If other, leads/jumpers:

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#### Conclusion

#### **Component Failure**

Windings tested bad

**Cause of Failure** 

Failure in slot

#### Comments

Rebuild kit/ replace all seals bearings and o-rings and rewind stator. Also recommend replacing power cord/ sensor cord cap because of pinched areas on cord assembly.

Service Tech name: Ter

**Terrence Holland** 

Service Tech signature:

Penerce Ho Vana

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