

# **Job Information**

Job #:	94015				Date:	March 5, 2018
Priority:	_	Authorized OT:	No	Authorized by:		

## **Customer Information**

Name:	Union Pacific		Reason:	
Contact:	Josh	Motor#:		PO#:
Application:	_	Special notes:		

# **Name Plate Information**

Manufacturer:	Barnes	Enclosure :	Open Drop Proof (ODP)
Serial#:	C1567908	Model#:	SGV5042L
Service Factor:		Frame:	
Horsepower/kW:	5	Rated RPM:	3450
Rated Amps:	11	Rated Voltage:	480
Phase:	3	Cycles:	60
Special design:	No		

#### Enclosure Type image



Nameplate

DE

ODE

F1



F2





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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:	Contraction of the second
Type of grounding device:			
Shaft runout(TIR-Inbound):			State of the second
Bearings DE:	Worn	Bearings DE make:	FAG
Insulated:	No	Bearing DE Size:	
Bearings ODE:	Worn	Bearings ODE make:	FAG

**Bearings Retainer:** Yes Thermal Protection: Yes Retainer condition: Good Thermal Protection Type: \_ Bearing Type Image **Thermal Protection** 

**Bearing Make Image** 

Bearing ODE Size:

**Bearing Retainer Image** 

Bearing Type:

Ball

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# **Mechanical Inspection (Continued)**

Lubrication Type:	Oil	Thermal Protection device DE:	N/A
Lubrication brand inbound:	Unknown	Thermal Protection device ODE:	Thermal Overloads
Lubrication brand outbound:	Unknown		
Grease Amt DE:	N/A	Grease Cond. DE:	New
Grease Amt ODE:	N/A	Grease Cond. ODE:	New
Seals DE type: Seals DE size: Seals DE (inbound) condition :	Other	Seals Image:	
Seals ODE type: Seals ODE size: Seals ODE (inbound) condition :	Other	Seals Image 2:	
Shaft damage cause:	None	Shaft Image:	



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

Brg. Image:



Water jacket: Ok



Fan:

N/A

Frame cond.: Good



Motor Mount Position: Horizontal/Foot mount

Missing parts?

J-Box cover	O-rings	J-Box
HH cover	Glands	None None

Other missing parts

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# **Mechanical Inspection (Continued)**

Air Gap Meaurements (N/A on Single Piece Endbell)			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	

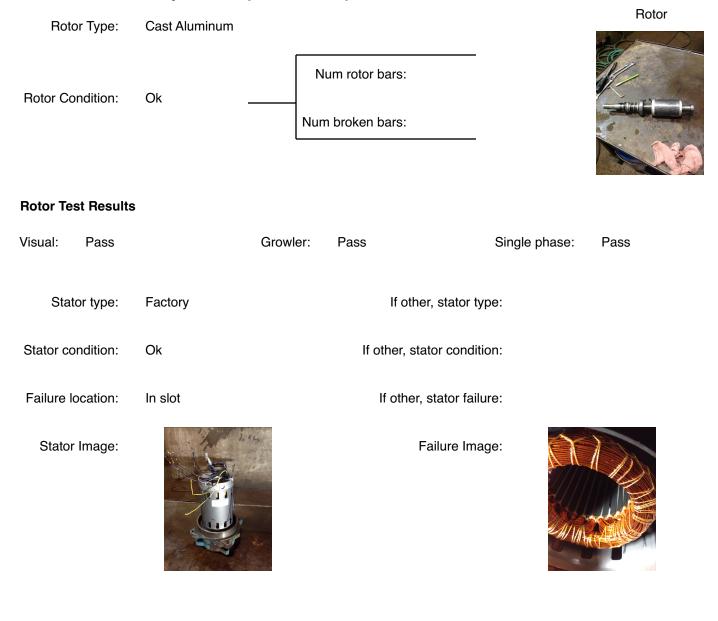
# **AC Electrical Inspection**

Number of leads:	9	Terminal Markings:		
Length of leads:	15"	REF: NEMA Std: Markings Identifi	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:	Good	4-Yellow	8-Red	
Lug type:		Connections As Re	ceived: 7-4,5-8,6-9,	1,2,3 power
Lug Condition:	_	٦	Terminal	Lugs
Lug size:				
Lug Attachment:	_			

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



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# **AC Electrical Inspection (Continued)**

Winding cold	or: Like new	Winding in	nage Windin	g Thermal Protection	Yes
Winding condition	n : Solid				
Winding Therm Protection D					
Winding Therm Protection OD					
Stator test result	ts: Rewind				
Megs incoming:	Bad	Surge incoming: B	ad	Hi-pot incoming:	Bad
Winding Resistan	ce Incoming				
I	Phases A to B	Phases B to C	Phases C to A	Resistive i	mbalance
Incoming					
Leads/j	jumpers: Ok				

If other, leads/jumpers:

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### Conclusion

#### **Component Failure**

Seal failure/windings failed in slot

#### **Cause of Failure**

D.E seal failure/winding failed in slot

#### Comments

Service Tech name: Terrer

**Terrence Holland** 

Service Tech signature:

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