

## **Job Information**

Job #:	94469			Date:	July 2, 2018	
Priority:	_	Authorized OT:	No	Authorized by:		

## **Customer Information**

Name:	American Railcar		Reason:		
Contact:		Motor#:		PO#:	
Application:	_	Special notes:			

## **Name Plate Information**

Manufacturer:	P&H	Enclosure :	Totally Enclosed Fan Cooled
Serial#:	F6419770010	Model#:	
Service Factor:		Frame:	
Horsepower/kW:	3.6/32.5	Rated RPM:	850/3450
Rated Amps:	20/42	Rated Voltage:	460
Phase:	3	Cycles:	60
Special design:	Yes		

#### Enclosure Type image





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:	_	Contaminant(s) Amt: None
Shaft grounding device present?:	No	Contaminant Image:
Type of grounding device:		Not Available

Shaft runout(TIR-Inbound):

Bearings DE:	Worn	Bearings DE make:	NTN
Insulated:	No	Bearing DE Size:	6310 2RS
Bearings ODE:	Worn	Bearings ODE make:	NTN
Bearing Type:	Ball	Bearing ODE Size:	6309 2RS
Bearings Retainer:	No	Thermal Protection:	No
Retainer condition:	Good	Thermal Protection Type:	_

#### Bearing Type Image



Bearing Make Image



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**Bearing Retainer Image** 

Not Available

**Thermal Protection** 



## **Mechanical Inspection (Continued)**

Lubrication Type:	Grease	Thermal Protection device DE:	_
Lubrication brand inbound:	Unknown	Thermal Protection device ODE:	_
Lubrication brand outbound:	Mobile Polyrex EM		
Grease Amt DE:	Full	Grease Cond. DE:	New
Grease Amt ODE:	Full	Grease Cond. ODE:	New

Seals DE type: N/A

Seals DE size:

Seals DE (inbound) condition :

Seals ODE type: Other

Seals ODE size: 55-80-8

:

Seals ODE (inbound) condition

Shaft damage cause:

Seals Image 2:

Seals Image:



Shaft Image:



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None



## **Mechanical Inspection (Continued)**

Brg. Image:



Bushings/sleeves image:



Water jacket: N/A Fan: Ok Frame cond.: Good Not Available Motor Mount Position: Horizontal/Flange mount Endbell type: Single piece Missing parts? Endbell Image: J-Box cover O-rings J-Box HH cover None Glands Other missing parts

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## **Mechanical Inspection (Continued)**

Air Gap Meaurements (N/A on Single Pi	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	

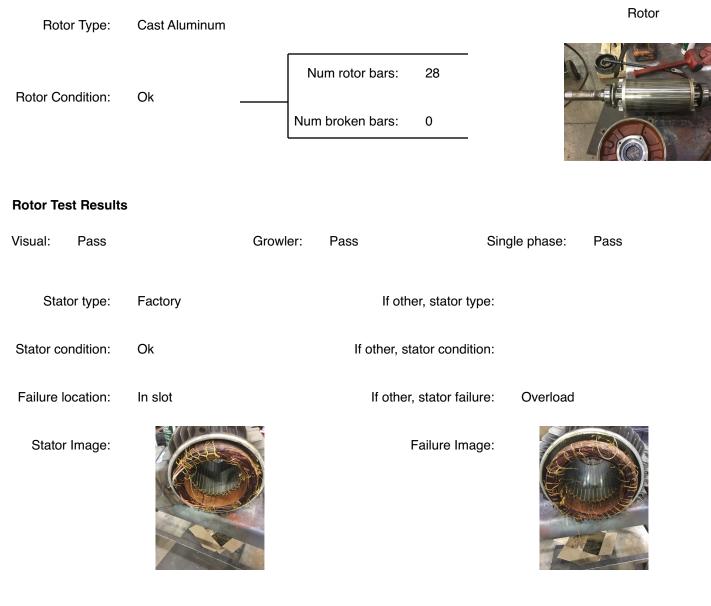
## **AC Electrical Inspection**

Number of leads:	6	Terminal Markings:	1,2,3 11,12,13	
Length of leads:	8"	REF: NEMA Stds Markings Identifie	a. 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 Rec	eived:	
Lug Condition:	Good	Т	erminal	Lugs
Lug size:				Not
Lug Attachment:	Acceptable			Not Available

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



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# **AC Electrical Inspection (Continued)**

Winding	color:	Like new	Winding	g image	Winding Therma	I Protection:	Yes
Winding cond	ition :	Solid					
Winding The Protection		Good					3
Winding The Protection		_					
Stator test re	sults:	Rewind					
Megs incoming:	Goo	od	Surge incoming:	Bad	Hi-pot in	coming: Ba	ad
Winding Resist	tance Ir	ncoming					
	Phas	ses A to B	Phases B to C	Phase	es C to A	Resistive imb	alance
Incoming	0.39	95	0.196	0.265	5	49.3	
Lea	ds/jump	ers: Ok		Lead jur	nper Image. :		
If other, lead	ds/jump	ers:				No <sup>.</sup> Availa	t Ible

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#### Conclusion

**Component Failure** 

Windings shorted

**Cause of Failure** 

Comments

Windings overloaded, strings burned

Service Tech name: Lynr

Lynn McDonald

Service Tech signature:

Lyn Min not

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