

Job Information

Job #:	94851				Date:	November 7, 2018
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

Name:	Name: North American Electric Motors		Reason:	
Contact:		Motor#:		PO#:
Application:	_	Special notes:		

Name Plate Information

Manufacturer:	North American Electric Motors	Enclosure :	Weather Protected I (WPI)	Enclosure Type i
Serial#:	1507022-SB-YS	Model#:	NAE-VHS-604- PWS	
Service Factor:	1.15	Frame:	364TP-WP1	
Horsepower/kW:	60	Rated RPM:	1770	
Rated Amps:	73	Rated Voltage:	460	
Phase:	3	Cycles:	60	
Special design:	No			

image



Тор

Nameplate





F1









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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		
Type of grounding device:			

Shaft runout(TIR-Inbound):

Bearings DE:	Worn	Bearings DE make:	Other
Insulated:	No	Bearing DE Size:	7224 BM
Bearings ODE:	Worn	Bearings ODE make:	Other
Bearing Type:	Ball	Bearing ODE Size:	6314
Bearings Retainer:	Yes	Thermal Protection:	No
Retainer condition:	Good	Thermal Protection Type:	_

Bearing Type Image



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CENTRAL ARKANSAS 6812 Lindsey Rd. Little Rock, AR 72206 Phone 501-375-9178 Fax 501-375-4254 Bearing Retainer Image



Thermal Protection



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:	0	Grease Cond. DE:	Other
Grease Amt ODE:	Full	Grease Cond. ODE:	Other
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:	76



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Mechanical Inspection (Continued)

Brg. Image:



Water jacket: N/A

Fan:

N/A

Frame cond.: Good



Motor Mount Position: Horizontal/Foot mount Endbell type: Single piece Missing parts? Endbell Image: J-Box cover O-rings J-Box HH cover Glands None Other missing parts

Anti reverse ratchet balls (12)

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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	

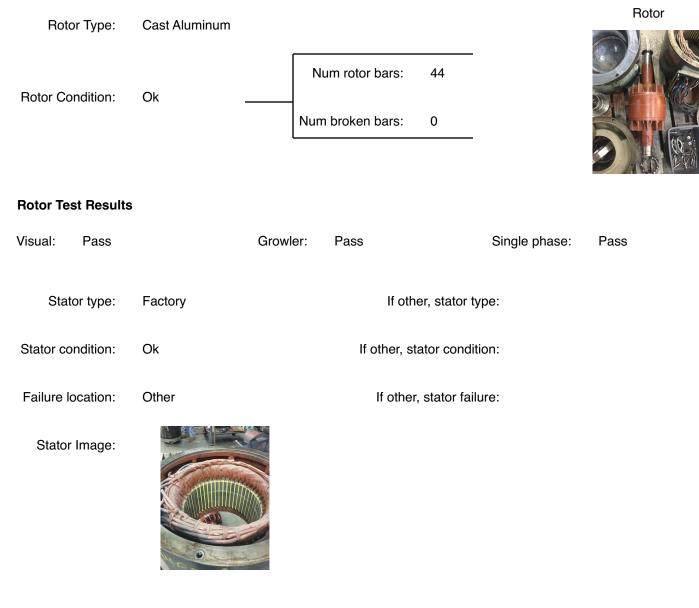
AC Electrical Inspection

Number of leads:	12	Terminal Markings	:	
Length of leads:	17"	REF: NEMA St Markings Ident	tds. MG 1-2009, Rev. 1- ified 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:	_	4-Yellow	8-Red	
Lug type:		Connections As F	Received:	
Lug Condition:	_		Terminal	Lugs
Lug size:				
Lug Attachment:	_			

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AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding color:	Painted	Winding	image	Winding Therma	I Protection:	Yes
Winding condition :	Solid			<u> </u>		
Winding Thermal Protection DE:	_					
Winding Thermal Protection ODE:	_					
Stator test results:	Salvageable					
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 i	mbalance
Incoming 0.16	1	0.161	0.16	1	0.1	
Leads/jumpe	ers: Ok					
If other, leads/jumpe	ers:					
Mechanical Ins	pection					

Inspect bolt holes and fasteners. Validate correct fasteners.

Shaft Condition:	Good	Bearings Retainer:	Yes
Type of grounding device:		Bearing DE Size:	7224 BM
Shaft runout(TIR-Inbound):		Bearing ODE Size:	6314

Retainer condition: (

n: Good

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Mechanical Inspection (Continued)

Seals DE condition :	None	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 :	None	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:		Foot flatness:	Pass
Endbell DE insulated?:	No		stomer or EASA spec(<10%
Endbell ODE size:	5.9058	variation)?	
Endbell ODE insulated?:	_		

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Conclusion

Component Failure

Bearings worn

Cause of Failure

Comments

Received motor without ratchet balls (12). Rotor was pulled all the way up could not get any thrust measurement

Service Tech name: Lynn M

Lynn McDonald

Service Tech signature:

Lynn Mc Vonald

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