

Job Information

Job #:	94745				Date:	November 17, 2018
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

Name:	Name: Firestone			Reason:	
Contact:		Motor#:		PO#:	
Application:	_	Special notes:			

Name Plate Information

Manufacturer:	Reuland	Enclosure :	Totally Enclosed Non-Ventilated	Enclosure Type image
Serial#:	0075E-1BEN-0009	Model#:	887847A-12	
Service Factor:		Frame:	286U	
Horsepower/kW:	7.5/2.81	Rated RPM:	1200/450	
Rated Amps:	10.7/11.0	Rated Voltage:	460	
Phase:	3	Cycles:	60	
Special design:	No			



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Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

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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:			Not Available
Shaft runout(TIR-Inbound):			
Bearings DE:	Worn	Bearings DE make:	NTN
Insulated:	No	Bearing DE Size:	6309 ZZ
Bearings ODE:	Worn	Bearings ODE make:	NTN
Bearing Type:	Ball	Bearing ODE Size:	6309 ZZ
Bearings Retainer:	No	Thermal Protection:	No
Retainer condition:	_	Thermal Protection Type:	-
Bearing Type Image	Bearing Make Image	Bearing Retainer Image	Thermal Protecti

Bearing Type Image





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

Not Available Thermal Protection

Not Available



Mechanical Inspection (Continued)

Lubrication Type:	Grease	Thermal Protection device DE:	_
Lubrication brand inbound:	Unknown	Thermal Protection device ODE:	_
Lubrication brand outbound:	Unknown		
Grease Amt DE:	1/4	Grease Cond. DE:	Hard
Grease Amt ODE:	1/4	Grease Cond. ODE:	Hard
Seals DE type: Seals DE size:	N/A	Seals Image:	Not Available
Seals DE (inbound) condition :			_
Seals ODE type: Seals ODE size:	N/A	Seals Image 2:	Not Available
Seals ODE (inbound) condition : Shaft damage cause:	Spline bad	Shaft Image:	

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Mechanical Inspection (Continued)

Brg. Image:	Bushings/sleeves image:	Not Available
Water jacket: N/A Not Available	Fan: N/A Frame cond	d.: Good
Motor Mount Position: Horizontal/Foot mount Missing parts? J-Box cover J-Box cover O-rings HH cover Glands Other missing parts	Endbell Image:	Single piece

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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	

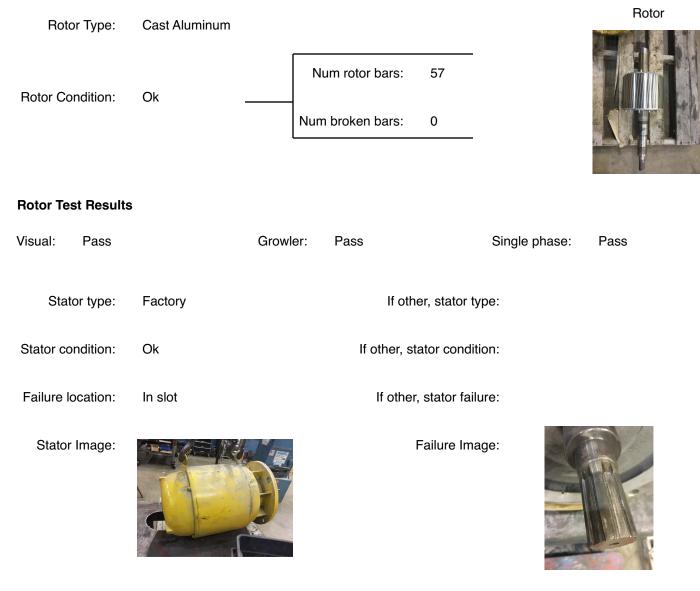
AC Electrical Inspection

Number of leads:	6	Terminal Markings:		
Length of leads:	8"	REF: NEMA Stds. MG 1-2009, Rev. 1-2010, 2.41-Terminal Markings Identified By Color:		
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	ceived:	
Lug Condition:	-	т	erminal	Lugs
Lug size:				
Lug Attachment:	_	Av	Not vailable	Not Available

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AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding color:	Still has color	Winding	g image Win	ding Thermal Protecti	on: Yes
Winding condition :	Solid			Lotor-Anal	y/zer 2 scill.trcm
Winding Thermal Protection DE:				1 Tomore State Sta	Mail Control Control <thcontrol< th=""> <thcontrol< th=""> <thcont< td=""></thcont<></thcontrol<></thcontrol<>
Winding Thermal Protection ODE:					The second secon
Stator test results:	Salvageable				
Megs incoming:	Good	Surge incoming:	Good	Hi-pot incoming:	Good
Winding Resistance	Incoming				
Ph	ases A to B	Phases B to C	Phases C t	o A Resistiv	e imbalance
Incoming 1.	4	1.4	1.4	0.2	
Leads/jun	npers: Ok		Lead jum	per Image. :	
If other, leads/jun	npers:			7	
Mechanical Inspection					the strand
Inspect bolt holes and	d fasteners. Validat	e correct fasteners.			Ellevent provide and

Shaft Condition:WornBearings Retainer:NoType of grounding device:Bearing DE Size:6309 ZZShaft runout(TIR-Inbound):Bearing ODE Size:6309 ZZ

Retainer condition:

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Mechanical Inspection (Continued)

Seals DE condition :	Worn	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 :	Worn	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:	1.7723	Foot flatness:	Pass
Endbell DE insulated?:	No		stomer or EASA spec(<10%
Endbell ODE size:	1.7725	variation)?	
Endbell ODE insulated?:	No	_	

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Conclusion

Component Failure

Splined shaft worn

Cause of Failure

Splined output shaft worn.

Comments

All electrical tests check good. Mechanical checks revealed worn splines on the D.E. shaft.

Service Tech name:

Terrence Holland /Lynn McDonald

Service Tech signature:

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