

Job Information

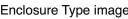
Job #:	95309				Date:	March 2, 2019
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

Name:	Fosters Service Company		Reason:	
Contact:		Motor#:		PO#:
Application:	_	Special notes:		

Name Plate Information

Manufacturer:	US	Enclosure :	Open Drop Proof (ODP)	Enclosure Type image	
Serial#:	5123473550001ST0 2	Model#:	7222-BEH		
Service Factor:	-	Frame:	404TPA	ZER	
Horsepower/kW:	100	Rated RPM:	1785		
Rated Amps:	114	Rated Voltage:	460		
Phase:	3	Cycles:	60		
Special design:	No				



Nameplate

DE

ODE

F1

F2



Тор

22-10344













Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?:	Yes	Contaminant(s):	None
Shaft rotation:	ccw	Contaminant(s) Amt:	None
Shaft grounding device present?:	No		
Type of grounding device:			

Shaft runout(TIR-Inbound):

Bearings DE:	Worn	Bearings DE make:	
Insulated:	No	Bearing DE Size:	6212
Bearings ODE:	Worn	Bearings ODE make:	FAG
Bearing Type:	Ball	Bearing ODE Size:	7222
Bearings Retainer:	Yes	Thermal Protection:	Yes
Retainer condition:	_	Thermal Protection Type:	_

Bearing Type Image



Bearing Make Image



WEST TENNESSEE 7030 Ryburn Drive Millington, TN 38053 Phone 901-873-5300 Fax 901-873-5301 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:	Mobile Polyrex EM	Thermal Protection device ODE:	_
Lubrication brand outbound:	Mobile Polyrex EM		
Grease Amt DE:	Full	Grease Cond. DE:	New
Grease Amt ODE:	1/4	Grease Cond. ODE:	New
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:	



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Mechanical Inspection (Continued)

Brg. Image:



Bushings/sleeves image:



Water jacket: N/A



Fan: N/A



Endbell Image:

Frame cond.: Good



Motor Mount Position:

Missing parts?

J-Box cover

HH cover

Horizontal/Foot mount

J-Box

None

O-rings

Glands

Endbell type:

Single piece

Other missing parts

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Mechanical Inspection (Continued)

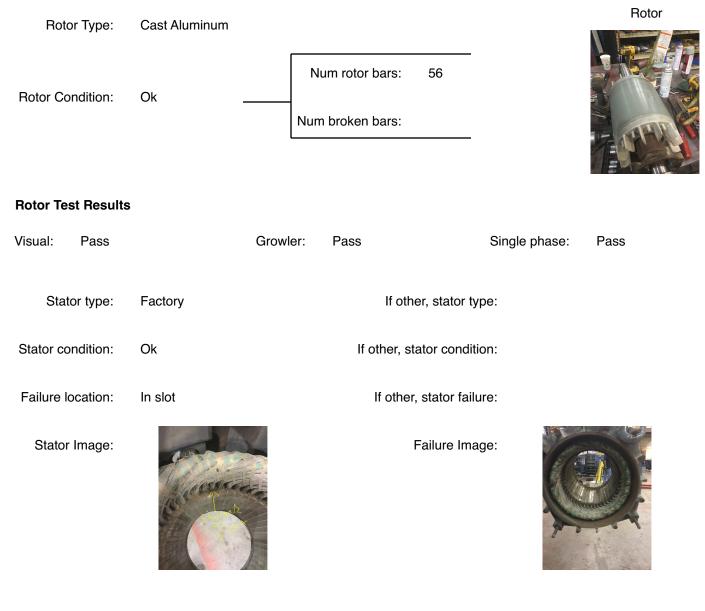
Air Gap Meaurements (N/A on Single Piec	Does Air Gap Meet Customer or EASA spec(<10% variation)?	
DE @ 0	ODE @ 0	_
DE @ 90	ODE @ 90	
DE @ 180	ODE @ 180	
DE @ 270	ODE @ 270	

AC Electrical Inspection

Number of leads:	6	Terminal Markings:	123 789	
Length of leads:	14"	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:	NA	Connections As Rec	eived: 17 28 39	
Lug Condition:	_	Т	erminal	Lugs
Lug size:				Net
Lug Attachment:	_			Not Available



AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding colo	or:	Like new	Winding	g image	Winding Therma	I Protection	: No
Winding condition : Solid							
Winding Therm Protection D		_	Contraction of the second s				
Winding Therm Protection OD		_			0		
Stator test resul	lts:	Rewind					
Megs incoming:	Ва	ıd	Surge incoming:	Bad	Hi-pot in	coming:	Bad
Winding Resistan	nce In	coming					
	Phase	es A to B	Phases B to C	Phase	es C to A	Resistive i	mbalance
Incoming	57.7	22	58.135	0.00		100.00	
Leads/	jumpe	ers: Ok		Lea	d jumper Image. :		-
If other, leads/jumpers:							
Mechanical Inspection							
Inspect bolt holes a	Inspect bolt holes and fasteners. Validate correct fasteners.						

Shaft Condition:GoodBearings Retainer:YesType of grounding device:Bearing DE Size:6212Shaft runout(TIR-Inbound):Bearing ODE Size:7222

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.:	2.3624 Good	
Seals DE size:		Brg. Seats ODE:	Good	
Seals DE (inbound) condition :		If ODE undersized, amt.:	4.3310 Good	
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:	4.3307	Foot flatness:	Pass	
Endbell DE insulated?:	No	Does Air Gap Meet Cu	stomer or EASA spec(<10%	
Endbell ODE size:	7.8752	variation)?		
Endbell ODE insulated?:	No	—		

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Conclusion

Component Failure

Cause of Failure

Comments

Stator is shorted at the edge of the slot. Found Abrasive wear in lower bearing due to inadequate lubrications or contamination ingress

Service Tech name:

Robert Wiley

Service Tech signature:

2012 Wiles

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