

Job Information

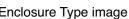
Job #:	95334				Date:	March 5, 2019
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

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

Name Plate Information

Manufacturer:	U.S.	Enclosure :	Weather Protected I (WPI)	Enclosure Type im
Serial#:	T09755385110001R 000	Model#:	DN11	
Service Factor:	1.15	Frame:	H444TP	
Horsepower/kW:	150	Rated RPM:	1780	
Rated Amps:	164	Rated Voltage:	460	
Phase:	3	Cycles:	60	
Special design:	No			





Nameplate

DE

ODE

F1

F2







WEST TENNESSEE 7030 Ryburn Drive Millington, TN 38053 Phone 901-873-5300 Fax 901-873-5301



Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

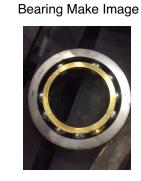
Does the shaft turn freely?:	Yes	Contaminant(s):	None
Shaft rotation:	CCW	Contaminant(s) Amt:	None
Shaft grounding device present?:	Νο		
Type of grounding device:			
Shaft runout(TIR-Inbound):			

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

Bearing Type 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:	Unknown	Thermal Protection device ODE:	_
Lubrication brand outbound:	Unknown		
Grease Amt DE:	N/A	Grease Cond. DE:	Watery
Grease Amt ODE:	Full	Grease Cond. ODE:	Watery
Seals DE type:	Slinger		
Seals DE size:			
Seals DE (inbound) condition :			
Seals ODE type:	Slinger		
Seals ODE size:			
Seals ODE (inbound) condition :			
Shaft damage cause:	None	Shaft Image:	



VEST TENNESSE 7030 Ryburn Drive Millington, TN 38053 Phone 901-873-5300 Fax 901-873-5301



Mechanical Inspection (Continued)

Brg. Image:



Bushings/sleeves image:



Water	jacket:	N/A

Fan:

N/A

Frame cond.: Good



Single piece

Motor Mount Position: Horizontal/Foot mount Missing parts?

J-Box

None

O-rings

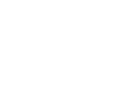
Glands



Endbell type:



Endbell Image:



Other missing parts

J-Box cover

HH cover

WEST TENNESSEE 7030 Ryburn Drive Millington, TN 38053 Phone 901-873-5300 Fax 901-873-5301



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	

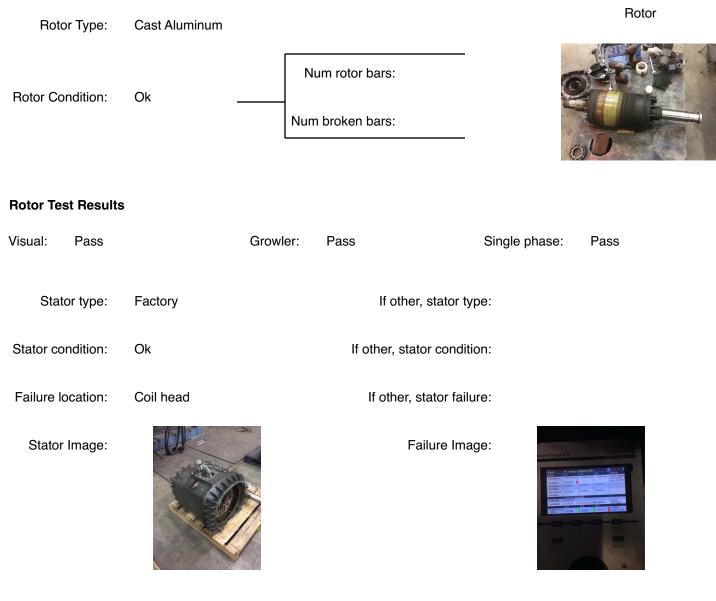
AC Electrical Inspection

Number of leads:	6	Terminal Markings	:	
Length of leads:	18"	REF: NEMA St Markings Ident	ds. 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:	Good	4-Yellow	8-Red	
Lug type:		Connections As F	leceived:	
Lug Condition:	Good		Terminal	Lugs
Lug size:				ALC -
Lug Attachment:	Acceptable			

WEST TENNESSE 7030 Ryburn Drive Millington, TN 38053 Phone 901-873-5300 Fax 901-873-5301



AC Electrical Inspection (Continued)



WEST TENNESSEE 7030 Ryburn Drive Millington, TN 38053 Phone 901-873-5300 Fax 901-873-5301



AC Electrical Inspection (Continued)

Winding color:	Dull black	Winding	j image	Winding Therma	I Protection	: Yes		
Winding condition :	Brittle							
Winding Thermal Protection DE:	_							
Winding Thermal Protection ODE:	_							
Stator test results:	Rewind							
Megs incoming: Ba	ad	Surge incoming:	Bad	Hi-pot in	coming:	Bad		
Winding Resistance In	coming							
Phas	es A to B	Phases B to C	Phase	es C to A	Resistive i	mbalance		
Incoming								
Leads/jump	ers: Ok							
If other, leads/jump	ers:							

Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Shaft Condition:	Good	Bearings Retainer:	Yes
Type of grounding device:		Bearing DE Size:	7322-BEM
Shaft runout(TIR-Inbound):		Bearing ODE Size:	6215-J

Retainer condition: 0

n: Good

WEST TENNESSEE 7030 Ryburn Drive Millington, TN 38053 Phone 901-873-5300 Fax 901-873-5301



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	Does Air Gap Meet Cu	stomer or EASA spec(<10%
Endbell ODE size:	5.1194 (bad)	variation)?	
Endbell ODE insulated?:	No	_	

VEST TENNESSE 7030 Ryburn Drive Millington, TN 38053 Phone 901-873-5300 Fax 901-873-5301



Conclusion

Component Failure

Windings grounded

Cause of Failure

Excessive debris inside stator housing. Also found bottom end bell housing fit measures too large.

Comments

Windings grounded and require rewind. Bottom end bell bearing housing fit measures too large and requires resleeving. Evidence of frosting in ode bearing.

Service Tech name: Terrence Holland

Service Tech signature:

Hill

WEST TENNESSEE 7030 Ryburn Drive Millington, TN 38053 Phone 901-873-5300 Fax 901-873-5301