

Job Information

Job #:	96503				Date:	February 6, 2020
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

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

Name Plate Information

Manufacturer:	Enclosure :		Open Drop Proof (ODP)	Enclosure Type image
Serial#:		Model#:		
Service Factor:	1.15	Frame:		
Horsepower/kW:	49	Rated RPM:		
Rated Amps:		Rated Voltage:		
Phase:		Cycles:		
Special design:	No			

F2

Тор



Nameplate



DE



ODE

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F1





Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

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

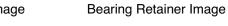
Shaft runout(TIR-Inbound):

Bearings DE:	Worn	Bearings DE make:	NSK
Insulated:	No	Bearing DE Size:	6211
Bearings ODE:	Worn	Bearings ODE make:	NSK
Bearing Type:	Ball	Bearing ODE Size:	6211
Bearings Retainer:	Yes	Thermal Protection:	No
Retainer condition:	Good	Thermal Protection Type:	_

Bearing Type Image



Bearing Make Image





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Thermal Protection



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:	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:	N/A		
Seals ODE size:			
Seals ODE (inbound) condition :			
Shaft damage cause:	Keyway bad	Shaft Image:	



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Mechanical Inspection (Continued)

Brg. Image:



Water jacket:	N/A
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Fan: Ok

Endbell Image:

Frame cond.: Good



Motor Mount Position:

Horizontal/Foot mount

Endbell type:

Single piece

Missing parts?

J-Box cover O-rings

HH cover Glands

V None

J-Box





Other missing parts

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Mechanical Inspection (Continued)

Air Gap Meaurements (N/A on Singl	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	

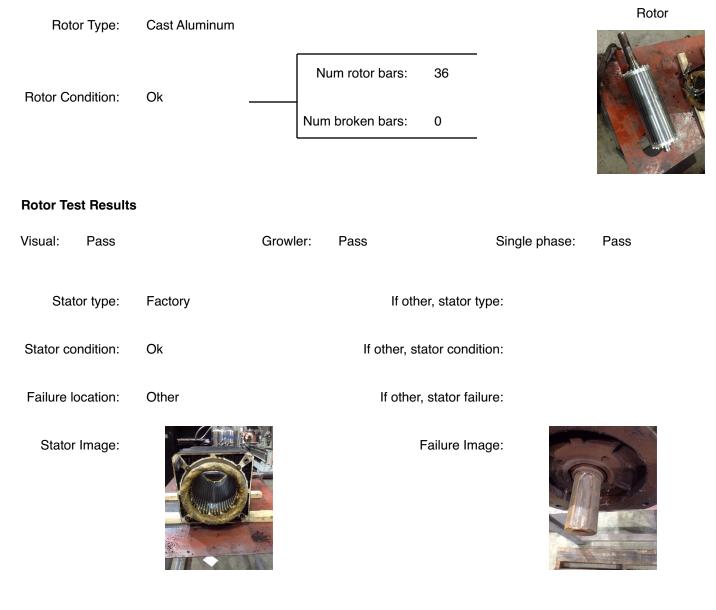
AC Electrical Inspection

Number of leads:	3	Terminal Markings	:	
Length of leads:	14 in	REF: NEMA St Markings Identi	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 R	leceived:	
Lug Condition:	Good		Terminal	Lugs
Lug size:				
Lug Attachment:	—			

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AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding color:	Still has color	Winding	image Wir	nding Therma	I Protection	: No
Winding condition :	Solid					
Winding Thermal Protection DE:	_					
Winding Thermal Protection ODE:	_					
Stator test results:	Salvageable					
Megs incoming: (Good	Surge incoming:	Good	Hi-pot in	coming:	Good
Winding Resistance	Incoming					
Pha	ases A to B	Phases B to C	Phases C	to A	Resistive i	mbalance
Incoming 0.0	00	0.00	0.00			
Leads/jum	pers: Ok		Lead jun	nper Image. :		
If other, leads/jum	pers:				A.	San C
Mechanical Inspection						
Inspect bolt holes and	fasteners. Validat	te correct fasteners.				
Shaft Co	ndition: Dama	ged	Bearings Re	etainer: Ye	es	

Type of grounding device:

Shaft runout(TIR-Inbound):

Retainer condition:

: Good

Bearing DE Size: 6211 Bearing ODE Size: 6211

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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:	3.9379	Foot flatness:	Pass
Endbell DE insulated?:	_		stomer or EASA spec(<10%
Endbell ODE size:	3.9380	variation)?	
Endbell ODE insulated?:	_		

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Conclusion

Component Failure

Cause of Failure

Comments

DE shaft key way is damaged, the ODE tac shaft is bent, both bearings show signs of wear, and the bearing fits on the shaft are undersized. Recommend new tac shaft, new bearings, reconditioning, and a new shaft.

Service Tech name: Chris

Chris Wiley

Service Tech signature:

Chair Eliliez

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