

Job Information

Job #:	95401				Date:	April 1, 2019
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

Name:	Stuttgart Flower		Reason:	
Contact:		Motor#:		PO#:
Application:	_	Special notes:		

Name Plate Information

No

Manufacturer:	Marathon	Enclosure :	Open Drop Proof (ODP)
Serial#:	WAA063778	Model#:	J- J449THDN17062A
Service Factor:	1.15	Frame:	449T
Horsepower/kW:	500	Rated RPM:	1800/4500
Rated Amps:	165	Rated Voltage:	460
Phase:	3	Cycles:	60

Enclosure Type image



Nameplate

Special design:

DE

ODE

F1

F2

Тор









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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:	Bi-directional	Contaminant(s) Amt:	None
Shaft grounding device present?:	Yes		
Type of grounding device:	Brush		
Shaft runout(TIR-Inbound):	.001		
Bearings DE:	Worn	Bearings DE make:	SKF
Insulated:	No	Bearing DE Size:	6319 2Z/C3
Bearings ODE:	Worn	Bearings ODE make:	SKF
Bearing Type:	Ball	Bearing ODE Size:	6314 2Z/C3
Bearings Retainer:	Yes	Thermal Protection:	No
Retainer condition:	Good	Thermal Protection Type:	_

Bearing Type Image



Bearing Make Image



e Image Bea

Bearing Retainer Image



Thermal Protection

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Mechanical Inspection (Continued)

Lubrication Type:	Grease	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:	Hard
Grease Amt ODE:	Full	Grease Cond. ODE:	Hard
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
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Fan:

N/A

Frame cond.: Good





Motor Mount Position:

Horizontal/Foot mount

J-Box

None

Endbell type:

Single piece

Missing parts?

O-rings

Glands

Endbell Image:





Other missing parts

J-Box cover

HH cover

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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	

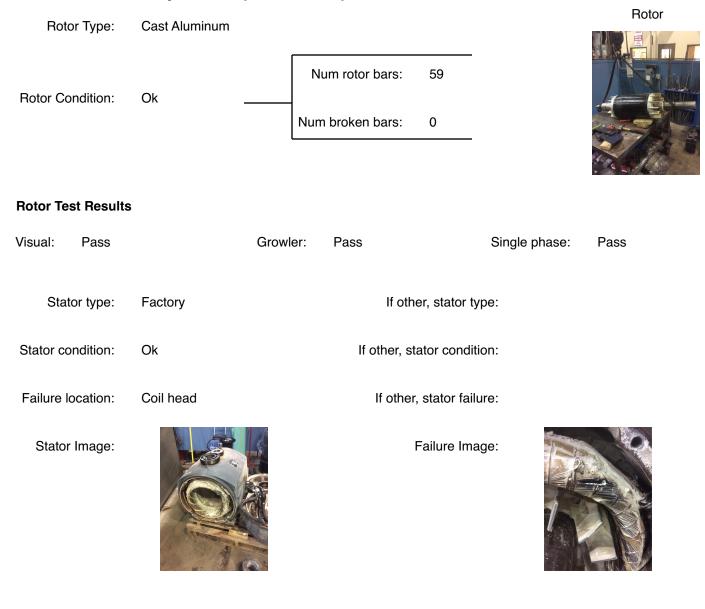
AC Electrical Inspection

Number of leads:	12	Terminal Markings	:	
Length of leads:	12"	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 R	eceived: 4#1's, 4#2's	s, &4#3's
Lug Condition:	Good		Terminal	Lugs
Lug size:				
Lug Attachment:	Acceptable			

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AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding color:	Still has color	Winding	j image	Winding The	ermal Protection	n: No
Winding condition :	Solid	ST.				
Winding Thermal Protection DE:	_					
Winding Thermal Protection ODE:	_					
Stator test results:	Rewind					
Megs incoming: Ba	d	Surge incoming:	Bad	Hi-p	ot incoming:	Bad
Winding Resistance Inc	coming					
Phase	es A to B	Phases B to C	Phase	es C to A	Resistive	imbalance
Incoming						
Leads/jumpe	ers: Ok					
If other, leads/jumpe	ers:					

Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Shaft Condition:	Good	Bearings Retainer:	Yes
Type of grounding device:		Bearing DE Size:	6319 2Z/C3
Shaft runout(TIR-Inbound):	.001	Bearing ODE Size:	6314 2Z/C3
Retainer condition:	Good		

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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:	7.8747	Foot flatness:	Pass
Endbell DE insulated?:	No		stomer or EASA spec(<10%
Endbell ODE size:	5.9062	variation)?	
Endbell ODE insulated?:	No		

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Conclusion

Component Failure

Windings failed on coil head.

Cause of Failure

Possible foreign debris impacted coil windings.

Comments

Stator had excessive amounts of contamination inside.

Service Tech name: Terren

Terrence Holland

Service Tech signature:

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