Job Information

Job #:	140556			Date:	September 4, 2019
Priority:	—	Authorized OT:	No	Authorized by:	

Customer Information

Name:	Process and Prower			Reason:	
Contact:		Motor#:		PO#:	
Application:	—	Special notes:			

Name Plate Information

Manufacturer:	Marathon	Enclosure :	Open Drop Proof (ODP)
Serial#:		Model#:	
Service Factor:		Frame:	364T
Horsepower/kW:	60	Rated RPM:	1775
Rated Amps:		Rated Voltage:	460
Phase:	3	Cycles:	60
Special design:	No		

Enclosure Type image

Nameplate

DE

ODE

F1

F2

Top

Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?:	Yes	Contaminant(s):	Grease
Shaft rotation:	Bi-directional	Contaminant(s) Amt:	Other
Shaft grounding device present?:	No	Contaminant Image:	
Type of grounding device:			
Shaft runout(TIR-Inbound):			

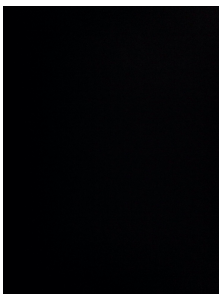
Bearings DE:	Worn	Bearings DE make:	SKF
Insulated:	No	Bearing DE Size:	6312-2z/c3
Bearings ODE:	Worn	Bearings ODE make:	SKF
Bearing Type:	Ball	Bearing ODE Size:	6312-2z/c3
Bearings Retainer:	Yes	Thermal Protection:	No
Retainer condition:	Good	Thermal Protection Type:	—

Bearing Type Image

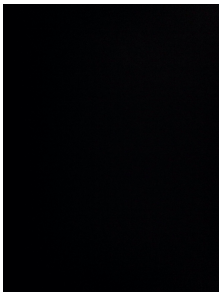
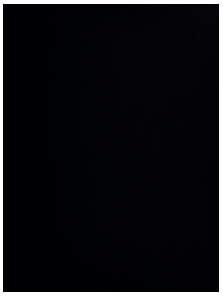
Bearing Make Image

Bearing Retainer Image

Thermal Protection



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:	1/4	Grease Cond. DE:	Charred
Grease Amt ODE:	1/4	Grease Cond. ODE:	Charred
Seals DE type:	N/A	Seals Image:	
Seals DE size:			
Seals DE (inbound) condition :			
		Seals Image 2:	
Seals ODE type:	N/A		
Seals ODE size:			
Seals ODE (inbound) condition :			
Shaft damage cause:	None	Shaft Image:	

Mechanical Inspection (Continued)

Brg. Image:

Bushings/sleeves image:

[redacted]

Water jacket: N/A

[redacted]

Fan: N/A

[redacted]

Frame cond.: Good

Motor Mount Position: Horizontal/Foot mount

Endbell type: Single piece

Missing parts?

- ☐ J-Box cover
- ☐ O-rings
- ☐ J-Box
- ☐ HH cover
- ☐ Glands
- ☑ None

Endbell Image:

Other missing parts

Mechanical Inspection (Continued)

Air Gap Meaurements (N/A on Single Piece Endbell)		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

Length of leads: 14"

Size of leads: 8

Lead condition: Good

Lug type:

Lug Condition: —

Lug size:

Lug Attachment: —

Terminal Markings: 1,2,3,4,5,6

REF: NEMA Stds. MG 1-2009, Rev. 1-2010, 2.41-Terminal Markings Identified By Color:

1-Blue
2-White
3-Orange
4-Yellow
5-Black
6-No color assigned
7-No color assigned
8-Red
P1-No color assigned
P2-Brown

Connections As Received:

Terminal

Lugs

AC Electrical Inspection (Continued)

Rotor Type: Cast Aluminum

Rotor Condition: Ok

Num rotor bars:

Num broken bars:

Rotor

Rotor Test Results

Visual: Pass Growler: Pass Single phase: Pass

Stator type: Other If other, stator type:

Stator condition: Ground If other, stator condition:

Failure location: In slot If other, stator failure:

Stator Image:

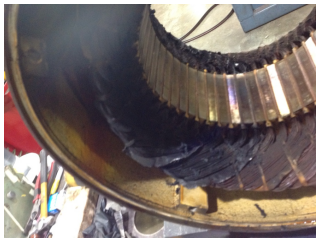
Failure Image:

AC Electrical Inspection (Continued)

Winding color: Like new

Winding image

Winding Thermal Protection: No



Winding condition : Solid

Winding Thermal Protection DE: —

Winding Thermal Protection ODE: —

Stator test results: Rewind

Megs incoming: Bad

Surge incoming: Bad

Hi-pot incoming: Bad

Winding Resistance Incoming

	Phases A to B	Phases B to C	Phases C to A	Resistive imbalance
Incoming				

Leads/jumpers: Ok

Lead jumper Image. :

If other, leads/jumpers:

Conclusion

Component Failure

Grounded in back of slot paper

Cause of Failure

Grounded in slot

Comments

Service Tech name: Kelly Felts

Service Tech signature: