

Job Information

| Job #: | 97263 | | | | Date: | August 31, 2020 |
|-----------|-------|----------------|----|----------------|-------|-----------------|
| Priority: | - | Authorized OT: | No | Authorized by: | | |

Customer Information

| Name: | Grand Prairie Regional Water | | Reason: | |
|--------------|------------------------------|----------------|---------|------|
| Contact: | | Motor#: | | PO#: |
| Application: | _ | Special notes: | | |

Name Plate Information

| Manufacturer: | Limitorque | Enclosure : | Open Drop Proof (ODP) | Enclosure Type image |
|-----------------|------------|----------------|--------------------------|----------------------|
| Serial#: | | Model#: | | |
| Service Factor: | | Frame: | 29 | |
| Horsepower/kW: | .125 | Rated RPM: | | |
| Rated Amps: | .46 | Rated Voltage: | 460 | |
| Phase: | 3 | Cycles: | 60 | |
| Special design: | No | | | |

Nameplate

DE

ODE

F1

F2





Тор

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Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

| Does the shaft turn freely?: | No | 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: | Other |
|---------------------|------|--------------------------|--------|
| Insulated: | No | Bearing DE Size: | 608 ZZ |
| Bearings ODE: | Worn | Bearings ODE make: | Other |
| Bearing Type: | Ball | Bearing ODE Size: | 608 ZZ |
| Bearings Retainer: | Yes | Thermal Protection: | Yes |
| Retainer condition: | _ | Thermal Protection Type: | _ |

Bearing Type Image



Bearing Make Image



Bearing Retainer Image



Thermal Protection



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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: | 0 | Grease Cond. DE: | New |
| Grease Amt ODE: | 0 | Grease Cond. ODE: | New |
| | | | |
| Seals DE type: | Isolators | Seals Image: | 18 S |
| Seals DE size: | 8 18 4 | | This |
| Seals DE (inbound) condition : | | | |
| | | | |
| Seals ODE type: | Slinger | | |
| Seals ODE size: | | | |
| Seals ODE (inbound) condition : | | | |
| Shaft damage cause: | None | Shaft Image: | |



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Mechanical Inspection (Continued)

Brg. Image:



| Water jack | ket: N/A |
|------------|----------|
|------------|----------|

Fan:

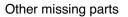
N/A

Frame cond.: Good



Endbell type: Motor Mount Position: Horizontal/Foot mount Single piece Missing parts? Endbell Image: O-rings J-Box J-Box cover

None



HH cover

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Glands



Mechanical Inspection (Continued)

| Air Gap Meaurements (N/A on Single Pie | 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 | |

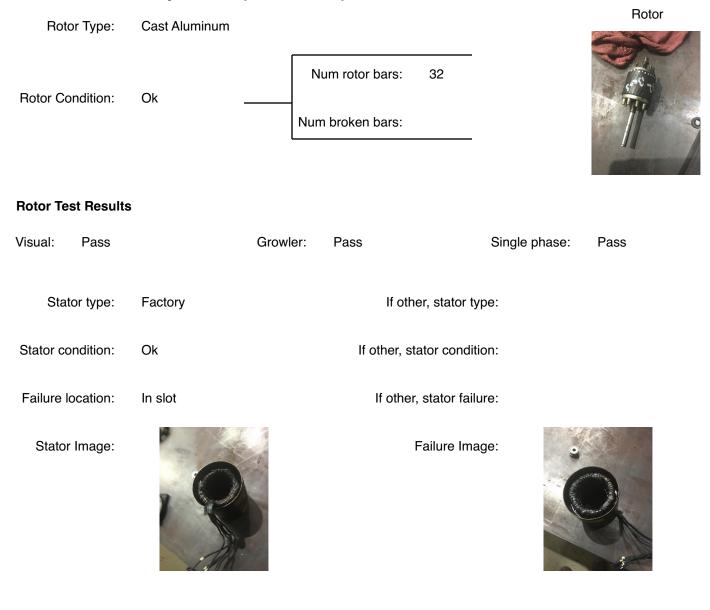
AC Electrical Inspection

| Number of leads: | 3 | Terminal Markings: | | | |
|------------------|-----|---|---|----------------------------------|--|
| Length of leads: | 42" | REF: NEMA Stds. MG 1-2009, Rev. 1-2010, 2.41-Terminal Markings Identified By Color: | | | |
| 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: | - | 4-Yellow | 8-Red | | |
| Lug type: | | Connections As Re | eceived: | | |
| Lug Condition: | _ | | Terminal | Lugs | |
| Lug size: | | | | | |
| Lug Attachment: | _ | | | | |

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AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

| Winding color: | Like new | Winding | g image | Winding Therma | I Protection | : Yes |
|------------------------------------|------------|-----------------|---------|----------------|--------------|----------|
| Winding condition : | Solid | | | | | |
| Winding Thermal Protection DE: | _ | 1 | | | | |
| Winding Thermal Protection ODE: | _ | | All | | | |
| Stator test results: | Rewind | | | | | |
| Megs incoming: Ba | ad | Surge incoming: | Bad | Hi-pot in | coming: | Bad |
| Winding Resistance Ir | ncoming | | | | | |
| Phas | ses 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: | 608 |
| Shaft runout(TIR-Inbound): | | Bearing ODE Size: | 608 |

Retainer condition:

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spec(<10%

Mechanical Inspection (Continued)

| EASA |
|------|
| |
| |
| |

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Conclusion

Component Failure

Cause of Failure

Comments

Rewind bearings and seal motor overload

Service Tech name:

Robert Wiley

Service Tech signature:

un Viler

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