



MacAllister Power System Level 2 Inspection

Workorder: IG20525

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Eng. Make: Model: Serial No.: Arr. No.:
Unit Desc.: Eng. Hours: Ins. Date:

Customer Information (6179725)

Site Information

Name:
Address:
City, State:
Zip Code:
Phone:

Inspection Codes: A = Satisfactory, B = Unsatisfactory, C = Not applicable, D = Corrective Action Taken

A B C D

CONTROL PANEL

- ☒ ☐ ☐ ☐ 1. Visually check all accessible connections as necessary.
☒ ☐ ☐ ☐ 2. Check indicator lights for defective bulbs and LED's.
☒ ☐ ☐ ☐ 3. Check fuses and relays.
☐ ☐ ☒ ☐ 4. Recorded logged faults.

Comments

A B C D

STARTING SYSTEM

- ☒ ☐ ☐ ☐ 1. Inspect tightness of battery cable connection.
☒ ☐ ☐ ☐ 2. Note cleanliness of starting batteries, terminals and cables.
☒ ☐ ☐ ☐ 3. Check battery electrolyte level.
☒ ☐ ☐ ☐ 4. Check battery charging equipment for proper operation.
☒ ☐ ☐ ☐ 5. Clean battery terminals and connections.

Comments

NiCad (Not Applicable)

Total Volts

Total Cells

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1	2	3	4	5	6	7	8	9	10
20	19	18	17	16	15	14	13	12	11
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A B C D

GENERATOR

- ☒ ☐ ☐ ☐ 1. Check Generator line leads, visually check windings.
☐ ☐ ☒ ☐ 2. Check slip rings and brushes (if applicable).
☒ ☐ ☐ ☐ 3. Visually check exciter diodes and windings.
☒ ☐ ☐ ☐ 4. Check DC wiring in generator bell (Engine wiring).
☐ ☐ ☒ ☐ 5. Annually lubricate generator bearings (if needed).
☐ ☐ ☒ ☐ 6. Fire Pump Inspection.

Comments



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A B C D

FUEL OIL DAY TANK

- ☐ ☐ ☒ ☐ 1. Check electrical connections as necessary.
- ☐ ☐ ☒ ☐ 2. Check Accessible piping and tanks for leaks.
- ☐ ☐ ☒ ☐ 3. Check operation of day tank pumps and/or float added.
- ☐ ☐ ☒ ☐ 4. Drain day tank sediment (if equipped with drain).
- ☐ ☐ ☒ ☐ 5. Tank Level:

Comments

TANK OFF TO THE SIDE, FULL

A B C D

COOLING SYSTEM

- ☒ ☐ ☐ ☐ 1. Check Radiator core for leaks or Heat Exchanger.
- ☐ ☒ ☐ ☐ 2. Check filler cap and gasket.
- ☒ ☐ ☐ ☐ 3. Check concentration of coolant conditioner. ppm, Type:
- ☐ ☐ ☐ ☒ 4. Check coolant level.
- ☒ ☐ ☐ ☐ 5. Check coolant freeze protection. Temp freeze protection: deg. F
- ☐ ☐ ☒ ☐ 6. Replace water separator element (3208).
- ☐ ☐ ☒ ☐ 7. Add coolant conditioner.

Comments

RAD CAP NEEDS REPLACED

A B C D

ENGINE

- ☒ ☐ ☐ ☐ 1. Engine lube oil level.
- ☐ ☐ ☒ ☐ 2. Governor oil level.
- ☒ ☐ ☐ ☐ 3. Engine wiring and electrical connections.
- ☒ ☐ ☐ ☐ 4. Check fuel line and fittings for leaks and any other damage.
- ☐ ☒ ☐ ☐ 5. Check for coolant leaks on engine and coolant piping.
- ☐ ☒ ☐ ☐ 6. Check coolant hoses for deterioration.
- ☒ ☐ ☐ ☐ 7. Check operation for block heater.
- ☐ ☒ ☐ ☐ 8. Check air cleaner seal piping and element.
- ☐ ☒ ☐ ☐ 9. Check fan belt condition (if applicable).
- ☒ ☐ ☐ ☐ 10. Take lube oil sample.
- ☐ ☐ ☐ ☒ 11. Lubricate/Grease fan hub if applicable.
- ☐ ☐ ☒ ☐ 12. Clean primary fuel filter (diesel).
- ☒ ☐ ☐ ☐ 13. Change fuel filters (diesel).
- ☒ ☐ ☐ ☐ 14. Clean the engine crankcase breather or rebuild the pvc diaphragm (3208).
- ☐ ☐ ☒ ☐ 15. Lubricate governor linkage.
- ☒ ☐ ☐ ☐ 16. Change lube oil and filters.
- ☒ ☐ ☐ ☐ 17. Cut open old filter and inspect for foreign material.

Comments

THE TOP COOLANT PIPE IS RUSTED AND LEAKING, HOSES NEED S REPLACED, THE BELTS ARE VERY OLD AND DRY CRACKED. THE AIR FIL GETTING IN BAD SHAP.



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A B C D

OPERATIONAL TESTING

- ☒ ☐ ☐ ☐ 1. Start engine and check for leaks, noises, vibrations.
- ☒ ☐ ☐ ☐ 2. Check louver operation.
- ☒ ☐ ☐ ☐ 3. Check operation of all safety devices: water temp, oil pressure, overspeed, overcrank,
Other:
- ☒ ☐ ☐ ☐ 4. Check operation of crankcase breather.
- ☒ ☐ ☐ ☐ 5. Check crankcase blowby.
- ☒ ☐ ☐ ☐ 6. Observe exhaust gas for clarity and evidence of wet stacking.
- ☐ ☐ ☒ ☐ 7. Visually check automatic transfer switches near generator room.
- ☐ ☐ ☒ ☐ 8. Perform ATS Inspection.

Comments

OK

ENGINE TEST DATA (if permitted by Customer)

ENGINE

Start

15 Minutes

Water Temp:

Oil Pressure:

Fuel Pressure:

GENERATOR

Voltage PH1:

PH2:

PH3:

Amperes PH1:

PH2:

PH3:

Frequency:

Kilowatt:

BATTERY CHARGER

Prior to Crank

Cranking Start

Crank 20 secs

Recovery

Voltage:

Amperes:

BATTERY

Hydrometer Test:

STARTER

Voltage:

Amperes:

AUTOMATIC START LOAD TRANSFER (Not Applicable)

Time Delay for Start Signal: seconds

Time Engine takes to start and pick up load: seconds

Total: seconds



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AUTOMATIC RETRANSFER AND ENGINE STOP SIGNAL (Not Applicable)

Time from Normal Restoration to Retransfer: minutes

Unload running time: minutes

Total: minutes

☒ Verify Generator in automatic position.

☒ Verify Breaker On.

Comments

UNIT NEEDS REPAIRS SEE INSIDE THIS REPORT

Customer Representative

Name:

Title:

MacAllister Power System

Name:

Title:

Signature

Signature