SANSOM EQUIPMENT LIMITED

HST # 104718614RT0001

# Service Report

Order No: SV-MP-7671
Service Date: 05/12/2025

**Site Address:**

C65200 Memorial Univ of NFLD (Fac Mgmt)

Location: UA-1004
Area Served: Health Science/Janeway
St. John's NL
Canada

**Equipment:**

Model #: GENSET NO LONGER ACTIVE: Location: UA-GEN-04 - 800DS4 - SER# 632689

Spec/Work #:

| Title | Assigned To | |
|---|---|---|
| SV-MP-7671 / PM1 Maintenance | Mitchell Russell | Service Call |

**Concern:**

Agreement # TFM-024-21

PM1

TAG: UA-GEN-04

WO #: FM- 42415988

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**Cause:**
semi

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**Correction:**

Performed PM1 inspection on generator.

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**Follow Up and other comments:**
Air filters should be changed. (Part Number: GM28399) 2 filters on unit. Rad cap needs to be replaced, gasket missing and leaking coolant. Trees needs be trimmed above unit, fire hazard touching exhaust.

UNIT HOURS 889.0

| Job Hazard Assessment | | | | | | |
|---|---|---|---|---|---|---|
| Task: | semi | | | | | |
| Most Likely Hazard: | Slips trips | | | | | |
| PPE Required for Task: | | | | | | |
| Tools/Chemicals/Equipment Required for Task: | | | | | | |
| SDS available and reviewed | ☐ | | | | | |
| **Perform site walk-around before unloading any tools. Wear proper PPE for site entry.** | | | | | | |
| Muster point | fence | Eye Wash Station location | ruck | | | |
| Fire Extinguisher location | truck | Current Weather | | | | |
| First Aid kit location | truckt | Emergency contact | | | | |
| Are you working alone | ☐ | Hole coverings identified | ☐ | Tie off points identified | ☐ | |
| Safe job procedure reviewed | ☐ | Lock Out Tag Out required | ☐ | Barricade and Signs req. | ☐ | |
| Waste containers needed | ☐ | | | | | |
| **Click off the hazards that apply to this job, and the plans to eliminate or control them.** | | | | | | |
| **Site Hazards** | | | | | | |
| Confined Space (Do not proceed) | ☐ | Vehicle Traffic / Fork lift | ☐ | Debris (Poor Housekeeping) | ☐ | |
| Extreme temperatures | ☐ | Slips, Trips, Falls | ☒ | Noise in area | ☐ | |
| Inadequate Lighting | ☐ | Items falling from height | ☐ | Dust / Mist / Fume | ☐ | |
| Other workers in the area | ☐ | Have they been notified of your presence and task to perform? | ☐ | Have you reviewed hazards? | ☐ | |
| **Plans to eliminate or control hazards** | | | | | | |
| housekeeping | | | | | | |
| **Task Hazards** | | | | | | |
| Working on/near energized equipment | ☐ | Dehydration | ☐ | Heavy Loads/Lifting | ☐ | |
| Electrical Shock | ☐ | Chemical / Thermal Burn | ☐ | Hoisting or moving loads overhead | ☐ | |
| Pinch points | ☒ | Fire | ☐ | Overhead Work | ☐ | |
| Rotating/Moving Equipment | ☐ | Hot Work/Welding/Grinding/Cutting | ☐ | Awkward body position | ☒ | |
| Foreign objects in eyes | ☐ | Cuts, Sharp edges | ☐ | | | |
| Elevated Work | ☐ | Spill potential | ☐ | | | |
| | | | | | | |
| **Plans to eliminate or control hazards** | | | | | | |
| Proper ppe, micro brakes | | | | | | |
| **Unload and inspect tools** | | | | | | |
| Tools inspected | ☐ | Electrical tool(s) in good condition | ☐ | | ☐ | |
| Equipment inspected | ☐ | Electrical cord(s) in good condition | ☐ | | ☐ | |
| Harness / Lanyard inspected | ☐ | Slings inspected | ☐ | | ☐ | |
| **Other Hazard Notes / Changes in Hazards** | | | | | | |
| | | | | | | |

# Semi Annual CSA282

| Table 2 - Weekly inspection, test, and maintenance requirements | | | | |
|---|---|---|---|---|
| **Consumables** | **Satisfactory** | **Unsatisfactory** | **Not Applicable** | **See Notes Above** |
| a) Inspect auxiliary supply tank fuel level (pressure) and main tank level (pressure) if applicable. There should be a minimum supply of 2 hours run time at 100% load | ☒ | ☐ | ☐ | ☐ |
| b) Inspect lubricating oil level | ☒ | ☐ | ☐ | |
| c) Inspect engine coolant level | ☒ | ☐ | ☐ | ☐ |
| d) Inspect engine, generator, fuel tank(s), and cooling systems for leakage | ☒ | ☐ | ☐ | ☐ |
| e) Inspect for proper operation of fuel transfer pump | ☐ | ☐ | ☒ | ☐ |
| f) Inspect fuel filter for contamination if filter is equipped with a transparent bowl | ☒ | ☐ | ☐ | ☐ |
| **Starter System** | **Satisfactory** | **Unsatisfactory** | **Not Applicable** | **See Notes Above** |
| a) Inspect starter for cleanliness, mounting, and terminal security | ☒ | ☐ | ☐ | ☐ |
| **Batteries and Charging Equipment** | **Satisfactory** | **Unsatisfactory** | **Not Applicable** | **See Notes Above** |
| a) Inspect all battery cells for correct electrolyte fill level | ☒ | ☐ | ☐ | ☐ |
| b) Test all battery cells for correct electrolyte specific gravity | ☒ | ☐ | ☐ | ☐ |
| c) Inspect electrical connections for tightness and evidence of corrosion | ☒ | ☐ | ☐ | ☐ |
| d) Inspect battery for cleanliness and dryness between terminals | ☒ | ☐ | ☐ | ☐ |
| e) Inspect charger electrical connections for cleanliness and tightness | ☒ | ☐ | ☐ | ☐ |
| **Engine** | **Satisfactory** | **Unsatisfactory** | **Not Applicable** | **See Notes Above** |
| a) Test lubricant and / or coolant heaters for proper operation | ☒ | ☐ | ☐ | ☐ |
| b) Inspect governor control linkages and oil level | ☐ | ☐ | ☒ | ☐ |
| c) Inspect fuel pump oil sump | ☐ | ☐ | ☒ | ☐ |
| d) Inspect fan belts for correct tension and wear | ☒ | ☐ | ☐ | ☐ |
| **Control Panel** | **Satisfactory** | **Unsatisfactory** | **Not Applicable** | **See Notes Above** |
| a) Inspect control panel covers for security | ☒ | ☐ | ☐ | ☐ |
| b) Test annunciator lamps to confirm that they are operational | ☒ | ☐ | ☐ | ☐ |
| c) Inspect control panel settings (ensure the unit is ready for automatic startup) | ☒ | ☐ | ☐ | ☐ |
| d) Test trouble signals (visual/audible) at the building fire alarm panels | ☒ | ☐ | ☐ | ☐ |
| **Louvres** | **Satisfactory** | **Unsatisfactory** | **Not Applicable** | **See Notes Above** |
| a) Inspect air control louvre settings to ensure proper operation | ☒ | ☐ | ☐ | ☐ |
| **Emergency Lighting Units** | **Satisfactory** | **Unsatisfactory** | **Not Applicable** | **See Notes Above** |
| a) Test emergency lighting unit(s) | ☒ | ☐ | ☐ | ☐ |

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| Room Temperature | Satisfactory | Unsatisfactory | Not Applicable | See Notes Above |
|---|---|---|---|---|
| a) Verify room temperature is above 10 degrees Celsius | ☒ | ☐ | ☐ | ☐ |
| **Inspect Room(s) for Cleanliness** | **Satisfactory** | **Unsatisfactory** | **Not Applicable** | **See Notes Above** |
| a) Inspect generator and transfer switch room(s) for overall cleanliness and accessibility to all components of the emergency system | ☒ | ☐ | ☐ | ☐ |

**Table 3 - Monthly (weekly in health care facilities) inspection, test, and maintenance requirements**

| Test and Verify the Entire System | Satisfactory | Unsatisfactory | Not Applicable | See Notes Above |
|---|---|---|---|---|
| Simulate a failure of the normal electrical supply to the building | ☐ | ☐ | ☒ | ☐ |
| Verify increasing current output from battery charger while cranking | ☒ | ☐ | ☐ | ☐ |
| Operate the system under at least 30% of the rated load for 60 mins | ☐ | ☐ | ☒ | ☐ |
| Operate all automatic transfer switches under load | ☐ | ☐ | ☒ | ☐ |
| Inspect brush operation for sparking | ☒ | ☐ | ☐ | ☐ |
| Inspect for bearing seal leakage | ☒ | ☐ | ☐ | ☐ |
| Inspect for correct operation of all auxiliary equipment, for example: radiator shutter control, coolant pumps, fuel transfer pumps, oil coolers, and engine room ventilation controls | ☒ | ☐ | ☐ | ☐ |
| Record the readings for all instruments in the CSA282 logbook and verify that they are normal or within range of previous readings | ☒ | ☐ | ☐ | ☐ |
| Drain the exhaust system condensate tap | ☒ | ☐ | ☐ | ☐ |
| Inspect block heater hoses and wires | ☒ | ☐ | ☐ | ☐ |
| Inspect all electrical components to ensure proper function | ☒ | ☐ | ☐ | ☐ |

**Table 4 - Semi-annual inspection, test, and maintenance requirements**

| Additional Inspection / Testing / Cleaning | Satisfactory | Unsatisfactory | Not Applicable | See Notes Above |
|---|---|---|---|---|
| Inspect and clean engine crankcase breathers | ☒ | ☐ | ☐ | ☐ |
| Inspect and clean all engine linkages | ☐ | ☐ | ☒ | ☐ |
| Lubricate the engine governor and ventilation system | ☒ | ☐ | ☐ | ☐ |
| Test protective devices for proper operation | ☐ | ☐ | ☐ | ☐ |
| - Low Engine Oil Pressure | ☒ | ☐ | ☐ | ☐ |
| - Low Engine Coolant Temp | ☒ | ☐ | ☐ | ☐ |
| - High Engine Coolant Temp | ☒ | ☐ | ☐ | ☐ |
| - Over Crank | ☒ | ☐ | ☐ | ☐ |
| - Over Speed | ☐ | ☐ | ☒ | ☐ |
| Before startup, perform two full cranking cycles. Near the end of each cycle, and while still cranking, measure and record the lowest indicated battery voltage. If the measured voltage is less than 80% of the battery's rated voltage, replace the battery. Alternatively, perform a battery load test using a suitable load tester. | ☒ | ☐ | ☐ | ☐ |

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| | | | | |
|---|---|---|---|---|
| Inspect ventilation system belts | ☐ | ☐ | ☒ | ☐ |
| **Recording of Data** | **Satisfactory** | **Unsatisfactory** | **Not Applicable** | **See Notes Above** |
| Record all inspections, tests, and corrective actions in the CSA282 logbook | ☐ | ☐ | ☒ | ☐ |
| Complete Parameter Download | ☐ | ☐ | ☒ | ☐ |

# Semi Annual CSA282

| **Building Load** | | | Start Time | | | Date | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Interval (mins)** | **Oil Pressure** | **Coolant Temperature** | **Room Temperature** | **Hertz** | **Voltage L1-2** | **Voltage L2-3** | **Voltage L3-1** | **Amps L1** | **Amps L2** | **Amps L3** | **Kw** | **Power Factor** | **Alternator Air Temp** | **Exhaust Temp** | **Oil Temp** |
| 5 | 125 | 101 | 18 | 60 | | | | | | | | | | | |
| 10 | 122 | 120 | 18 | 60 | | | | | | | | | | | |
| 15 | 120 | 133 | 18 | 60 | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | | | |
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