

EPG Annual Inspection (C282-19)

PM

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Inspection Number	26643305	Customer No	2972019086
Serial Number	2031255	Customer Name	CAPE BRETON REGIONAL MUNICIPALITY
Make	KOHLER	Customer Phone	9025787850
Model	1000RE0ZM	Customer Email	amcanova@cbrm.ns.ca
Equipment Family	ENGINE - GENERATOR SET	Work Order	DH41560
Asset ID	Civic Centre	Completed On	2026-01-06 3:11:17 PM
SMU	924 Hours	Inspector	Mike Snider
Location	312 Esplanade St, Cape Breton, NS	PDF Generated On	2026-01-06
Coordinates	5.68755873784595, 46.1374921753687, - 60.1964256362756		
Technician	<i>MS</i>		

General Info & Comments

● General info/Comments NORMAL

Comments: Oil Filters

1x GM13943

4x 324-2598

Fuel Filters

4x P552251

3x P552024 racor

45 gallons 10W-30

Belts are a mix of old and new.

No leaks. Unit is in good working condition. No issues starting on a very cold day.

Batteries 100%

Consumables:

● 1.1 Inspect auxiliary supply tank fuel level and main tank level. (if applicable). GOOD / PASS



1.1.1 Main Tank

80 %

1.1.2 Day Tank

● 1.2 Inspect lubricating oil level. *NORMAL*

● 1.3 Inspect engine coolant level. *NORMAL*

● 1.4 Check DEF (Urea) levels (if applicable). *N/A*

● 1.5 Inspect engine, generator, fuel tank(s), and cooling systems for leakage. *NO LEAKS*

● 1.6 Inspect for proper operation of fuel transfer pump (if applicable). *NA*

● 1.7 Inspect fuel filter for contamination if filter is equipped with a transparent bowl. *COMPLETED*



Starter system:

● 2.1 Inspect electric starter for cleanliness, mounting, and terminal security. *GOOD / PASS*

- **2.2 Air Starter: Inspect Air tanks for pressure, Inspect valves for leakage, Test auxiliary engine & compressor for proper operation, Bleed off any condensation.** NOT APPLICABLE

Batteries and charging equipment

- **3.1 Inspect electrical connections for tightness and evidence of corrosion.** NORMAL
- **3.2 Inspect battery for cleanliness and dryness between terminals.** NORMAL
- **3.3 Inspect charger electrical connections for cleanliness and tightness.** NORMAL
- **3.4 Check Battery(s), External Condition and age.** NORMAL

Comments: Batteries in good condition. Installed May 2022.
4x 153-5720



- **3.5 Check Battery Level, Specific Gravity, Indicate number of batteries and issue with cell (if applicable).** GOOD / PASS
- **3.6 Verify Battery Charger output.** NORMAL



Control panel:

●	4.1 Inspect control panel covers for security.	NORMAL
●	4.2 Test control panel annunciator lamps to confirm that they are operational.	NORMAL
●	4.3 Inspect control panel settings ensure that the unit is ready for automatic start-up (N/A for Manually operated units).	NORMAL
●	4.4 Test control panel remote visual and audible trouble signals at the building fire alarm panel.	N/A
●	4.5 Open all control panel inspection covers and inspect all electrical connections.	NORMAL
●	4.6 Test control panel breakers for proper operation.	N/A
●	4.7 Clean control panel insulators and bushings.	N/A
●	4.8 Test voltage regulator for proper operation.	NORMAL
●	4.9 Operate all moving parts to ensure that they move freely in the control panel.	GOOD / PASS
●	4.10 Clean and dress contacts in the control panel (as necessary).	NOT APPLICABLE
●	4.11 Remove all dust from the control panel.	GOOD / PASS
●	4.12 Check gauge calibration.	GOOD / PASS



●	4.13 For off-site fueled generators, turn position-indicating gas valve to off-position to ensure valve rotates properly and that the audible alarm on generator control panel is activated.	NOT APPLICABLE
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Test and Verify the entire system as follows:

- 5.1 Before start-up, perform two full cranking cycles. Near the end of each cycle (and while still cranking), measure and record the lowest indicated battery voltage. Alternatively, perform a battery load test using a suitable load tester. *NORMAL*

5.1.1 Minimum Voltage 12.3 Volts

- 5.2 Simulate a failure of the normal electrical supply to the building. *NOT PERFORMED*

- 5.3 Operate the system under build load for 60 min. *N/A*

Comments: Performed by customer

- 5.4 Verify that the battery charger current output increases while cranking. *NORMAL*

- 5.5 Operate all automatic transfer switches under load. *N/A*

- 5.6 Inspect brush operation for sparking, if applicable. *N/A*

- 5.7 Inspect for bearing seal leakage. *NORMAL*

- 5.8 Inspect for correct operation of all auxiliary equipment, radiator shutter control, coolant pumps, fuel transfer pumps, oil coolers, and engine room ventilation system(s). *NORMAL*

- 5.9 Drain the exhaust system condensate trap. *N/A*

Engine:

- 6.1 Change engine lubrication oil and filters. *PERFORMED*



6.1.1 SOS Number 226504165 QR Number

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| <div>●</div> | 6.2 Test strength of coolant and chemical protection level of coolant inhibitors. | PERFORMED |
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6.2.1 SOS Sample Obtained

226303573 QR Number

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| <div>●</div> | 6.3 Change fuel filters, clean strainer(s), and verify that the fuel supply valve is open. | PERFORMED |
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Comments: SOS sample 224840228



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| <div>●</div> | 6.4 Inspect the exhaust system. Check and record the back pressure of the exhaust system to ensure that it complies with the engine manufacturer's requirements, and compare with previous readings. | N/A |
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| <div>●</div> | 6.5 Inspect governor control linkages and oil level (if applicable). | PERFORMED |
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| <div>●</div> | 6.6 Clean and lubricate linkages. | PERFORMED |
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| <div>●</div> | 6.7 Inspect air filters. | GOOD / PASS |
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| <div>●</div> | 6.8 Inspect all mechanical connections. | PERFORMED |
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| <div>●</div> | 6.9 Inspect all electrical connections. | PERFORMED |
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●	6.10 Inspect all external surfaces of heat exchanger(s) and clean as necessary.	GOOD / PASS
●	6.11 Inspect fan belts for correct tension and wear.	MONITOR / ADJUSTED
Comments: Belts are mix of old and new. This is because some of the newer belts didn't seat properly. Tension is good. Fan working properly.		
●	6.12 Test and inspect ignition system(s).	NOT APPLICABLE
●	6.13 Test lubricant and/or coolant heaters for proper operation.	GOOD / PASS
block heater hoses and wires:		
●	7.1 Inspect block heater wires, hoses for rubbing and/or leaks.	NORMAL
Fuel System:		
●	8.1 Inspect Fuel Priming Pump for Proper operation.	PERFORMED
●	8.2 Test the fuel oil in any storage tank (and auxiliary supply tank, if used) . Perform clear and Bright test.	PERFORMED
Generator:		
●	9.1 Test surge suppressor and rotating rectifier on brushless machines (if applicable).	N/A
●	9.2 Grease bearings (replace old grease with new) (if required).	N/A
●	9.3 Clean commutator and slip rings (if applicable).	N/A
●	9.4 Clean rotor and stator windings using clean compressed air.	N/A
●	9.5 Inspect coupling bolts and alignment.	PERFORMED
●	9.6 Inspect conduits for tightness.	PERFORMED
●	9.7 Inspect windings at rotor and stator slots.	PERFORMED

● 9.8 Inspect all electrical connections. *PERFORMED*

Overcurrent protective devices:

● 10.1 Electrically isolate all overcurrent protective devices (as needed). *N/A*

● 10.2 Remove all dust and test devices for proper operation. *PERFORMED*

Transfer switches:

● 11.1 Perform Transfer Switch Maintenance (attach ATS form if Applicable). *N/A*

General:

● 12.1 Inspect air control louvre settings to ensure proper operation. *NORMAL*

● 12.2 Test emergency lighting unit(s). *N/A*

● 12.3 Verify whether room temperature is above 10 °C. *N/A*

● 12.4 Inspect generator and transfer switch room(s) for cleanliness and accessibility to all components of the emergency system. *N/A*

● 12.5 Inspect and clean engine crankcase breathers. *GOOD / PASS*

● 12.6 Inspect and clean all engine linkages. *NORMAL*

● 12.7 Lubricate the engine governor and ventilation system. *N/A*

● 12.8 Test protective devices for proper operation. *NORMAL*

● 12.9 Inspect ventilation system belt(s). *N/A*

● 12.10 Lubricate door locks and hinges (if necessary), especially those of outdoor enclosures. *PERFORMED*

● 12.11 Conduct a 2 hour full load test (attach Load Bank form if Applicable). *N/A*

Final Checks:

- 13.1 Record all inspections, tests, and corrective actions in the log. NA
- 13.2 Ensure unit in auto, battery charger plugged in and engine heater powered COMPLETED



- 13.3 General Info/Comments. N/A