



Sales and Service

# CUMMINS GENSET PM MAINT. - INSPECTION REPORT

## PLANNED MAINTENANCE CHECKLIST STANDARD INSPECTION

2025 YR.  
COMPLETED

WPP

| CUSTOMER DETAILS                                  |  |
|---|--|
| CUSTOMER: WHEATON PROPERTY PARTNERS - 40218       | DATE: 01/25/25                         |
| ADDRESS: 120 E LIBERTY STREET<br>WHEATON IL 60187 | SERVICE ORDER #: 77568                 |
|   | FA JOB ID: J1735951                    |
| SITE NAME: WHEATON PROPERTY PARTNER               | TECHNICIAN: Arthur Glogowski           |
| CONTACT NAME: NATHAN SANDS                        | CONTACT EMAIL: nsands@wavelandprop.com |
| ASSET NAME: 120 E. LIBERTY                        | CONTACT TEL: 630-2301221               |
| PRODUCT DETAILS                                   |  |
| PRODUCT MANUFACTURER: ONAN : STANDBY SYSTEM       | MANUFACTURER: Cummins                  |
| PRODUCT MODEL: 750.0DQFAA-7229298-A               | MODEL: QST30-G5                        |
| PRODUCT SERIAL: H080202837                        | SERIAL: 37236913                       |
| PROD HOURS / MILES / KM: 1260                     | HOURS / MILES / KM: 1260               |

| PASS                                | N/A                      | NEEDS ATTN               |                           |
|-------------------------------------|--------------------------|--------------------------|---------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | A. PRE-OPERATIONAL CHECKS |

| PASS   | N/A                      | NEEDS ATTN               |                                  |
|--|--------------------------|--------------------------|----------------------------------|
| <input checked="" type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/> | B. BATTERIES AND BATTERY CHARGER |
| Battery install date: 26-AUG-23 Float Volts: 27.3 Current: 1.3 |                          |                          |                                  |
| Record highest and lowest specific gravity measured:           |                          |                          |                                  |
| High: - Low: -   |                          |                          |                                  |
| Battery load test: Test CCA: 1400 Ambient temp: 20             |                          |                          |                                  |
| Battery 1: Float Volts: 13.32 Hold Volts: 1555 Pass/Fail: Pass |                          |                          |                                  |
| Battery 2: Float Volts: 13.28 Hold Volts: 1325 Pass/Fail: Pass |                          |                          |                                  |
| Battery 3: Float Volts: Hold Volts: Pass/Fail:                 |                          |                          |                                  |
| Battery 4: Float Volts: Hold Volts: Pass/Fail:                 |                          |                          |                                  |

| PASS  | N/A                      | NEEDS ATTN                          |                   |
|---|--------------------------|-------------------------------------|-------------------|
| <input type="checkbox"/>  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | C. COOLING SYSTEM |
| Last coolant fill date: 17-AUG-06 Last coolant maint date (Belts, hoses, coolant): 08/06/17 |                          |                                     |                   |
| Jacket water temp: 109 °F Cooling system pressure: 2 PSI                                    |                          |                                     |                   |
| Coolant Properties:   |                          |                                     |                   |
| Freeze point: -30 DCA Concentration: 3.2 PH level: 8  |                          |                                     |                   |
| Sulfates: Ok Chlorides: Fail Appearance: Ok   |                          |                                     |                   |
| LTA Coolant:  |                          |                                     |                   |
| Freeze point: n.a Appearance: n.a PH level: n.a   |                          |                                     |                   |

|   |                          |                          |   |      |
|---|--------------------------|--------------------------|---|------|
| <b>PASS</b>   | <b>N/A</b>               | <b>NEEDS<br/>ATTN</b>    |   |      |
| <input checked="" type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <b>D. GENSET CONTROLS AND ACCESORIES</b>              |      |
| <input checked="" type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <b>E. MAIN ALTERNATOR</b>                             |      |
| <input checked="" type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <b>F. FUEL SYSTEM</b>                                 |      |
|   |                          |                          | Main tank fuel level:                                 | 3/4  |
|   |                          |                          | Day tank fuel level:                                  | n.a  |
|   |                          |                          | Fuel pressure:  | 12   |
|   |                          |                          | Running:  | 64   |
|   |                          |                          | Loaded:   | n.a  |
| <input checked="" type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <b>G. INTAKE AND EXHAUST SYSTEMS</b>                  |      |
| <input checked="" type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <b>H. ENGINE AND LUBRICATION SYSTEM</b>               |      |
| <input checked="" type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <b>I. GENERATOR OPERATIONS</b>                        |      |
| <input checked="" type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <b>K. TRANSFER SWITCH / SWITCHGEAR</b>                |      |
|   |                          |                          | Measure and record utility / source one voltage:      |      |
| <input checked="" type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <b>L. SYSTEM OPERATIONAL TEST</b>                     |      |
|   |                          |                          | Genset test without load, load test not permitted by: |      |
|   |                          |                          | Record engine and load data:                          |      |
|   |                          |                          | Oil pressure:   | 64   |
|   |                          |                          | Battery Voltage:                                      | 26.9 |
|   |                          |                          | Coolant press:  | 38   |
|   |                          |                          | Genset Voltage:                                       | 480  |
|   |                          |                          | Current:  |      |
|   |                          |                          | A:  | 0    |
|   |                          |                          | Load kW:  | 0    |
|   |                          |                          | Duration system test:                                 | 30   |
|   |                          |                          | Minutes   |      |
|   |                          |                          | Oil Temperature:                                      | 176  |
|   |                          |                          | Engine speed:   | 1800 |
|   |                          |                          | Blowby flow:  | Ok   |
|   |                          |                          | Genset freq/Hz  | 60   |
|   |                          |                          | Coolant temp:   | 167  |
|   |                          |                          | Exhaust temp:   | n.a  |
|   |                          |                          | LTA temp:   | 43   |
|   |                          |                          | Load PF:  | 1    |
|   |                          |                          | B:  | 0    |
|   |                          |                          | Load kVA:   | 0    |
|   |                          |                          | C:  | 0    |
|   |                          |                          | Load kVAR:  | 0    |
| <input checked="" type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <b>M. SITE PREDEPARTURE VERIFICATION</b>              |      |
| Comments:   |                          |                          |   |      |
| Drive to site. Gained access to unit. Filled out jsa and LOTO unit.   |                          |                          |   |      |
| Checked all clamps and connections  |                          |                          |   |      |
| Tested coolant and batteries. Cleaned batteries. Negative terminal end was bad and replaced with new.   |                          |                          |   |      |
| Pulled panels and checked connections in control and gen end.   |                          |                          |   |      |
| Test ran unit manually. Verified power at all ats. Found issues in egg harbor ats. Shut gen down. LOTO. Put on Ppe. Had to disconnect door and reconnect as harness popped out. Removed LOTO and put unit in auto. Tested remote start from egg harbor ats. |                          |                          |   |      |
| Unit is due for coolant maintenance and will be getting completed later this year. Paperwork drive back   |                          |                          |   |      |

|                               | 1 <sup>st</sup> Trip | 2 <sup>nd</sup> Trip | 3 <sup>rd</sup> Trip | 4 <sup>th</sup> Trip |
|-------------------------------|----------------------|----------------------|----------------------|----------------------|
| <b>Start Odometer Reading</b> |                      |                      |                      |                      |
| <b>Stop Odometer Reading</b>  |                      |                      |                      |                      |
| <b>Total Mileage</b>          |                      |                      |                      |                      |

|  |   |  |                          |
|--|---|--|--------------------------|
| Cummins OneBMS US<br>11101 Nations Ford Road<br>Charlotte NC 28241 | <b>TECHNICIAN NAME:</b><br>Arthur Glogowski | <b>TECHNICIAN SIGNATURE:</b><br>Arthur G | <b>DATE:</b><br>01/25/25 |
|  | <b>CUSTOMER NAME:</b>                       | <b>CUSTOMER SIGNATURE:</b>               | <b>DATE:</b>             |



## **PLANNED MAINTENANCE CHECKLIST** **STANDARD INSPECTION**

Below is the scope of work performed during the above planned maintenance checklist. Any additional repairs, parts, or service which are required will be brought to the attention of the owner. Repairs will only be made after proper authorization from the owner is given to Cummins Sales and Service. Any additional repairs, maintenance or service performed by Cummins Sales and Service for a Planned Maintenance Agreement holder will be at Cummins Sales and Service labor rates.

**A. PRE-OPERATIONAL CHECKS**

1. All equipment automated, no alarms or faults on controls
2. Check fluid levels and observe for leaks. Oil, Fuel and Coolant
3. Verify battery chargers, component heaters and accessories are operational
4. Safety Audit, Lock Out/ Tag Out Procedures Followed, Safe Service Operations

**B. BATTERIES AND BATTERY CHARGER**

1. Check battery charger functions and record voltage and current
2. Cable connections, termination cleanliness and security
3. Check electrolyte level, vent caps and specific gravity of all cells in the starting battery system
- 3.a Record highest and lowest specific gravity measured.
4. Perform Battery load test on all starting batteries and record cca, ambient temperature, float volts, hold volts, and if the battery passed or failed testing.

**C. ENGINE COOLING SYSTEM**

1. Inspect all hoses and clamps for leaks and condition
2. Inspect radiator cap and filler neck condition
3. Inspect drive belts, observe alignment and deflection
4. Confirm proper coolant heater operation and record jacket water temperature
5. Verify Coolant properties and record the freeze point, DCA concentration, PH level, Sulfates, Chlorides, and appearance.
6. Inspect radiator surfaces, shrouds and barriers for obstruction, build up and mechanical damages
7. Verify LTA coolant properties and record the freeze point, PH level, and appearance (if applicable)
8. Optional coolant sampling

**D. GENSET CONTROLS AND ACCESSORIES**

1. Check all engine mounted wiring, senders and devices
2. Check all control mounted components and wiring
3. Check all connecting plugs
4. Check all accessory components and wiring
5. Function test lights and indicators

**E. MAIN ALTERNATOR**

1. Remove covers and inspect terminals, wiring and component
2. Visually inspect main rotor and stator
3. Visually inspect exciter components and PMG (where equipped)
4. Manually operate generator main breaker(s) open and closed

**F. FUEL SYSTEM**

1. Check main and secondary (if applicable) tank fuel and record levels
2. Check day tank fuel and record level (if applicable)
3. Check day tank controls and pumps. Test operate day tank controls where available (if applicable)
4. Check all fuel hose, clamps, pipes, components and fittings
5. Check fuel pressure and record readings running and loaded
6. Check governor linkage (if applicable)

7. Water in Fuel Test - Sub-base, day tanks or as noted on agreement

8. Rupture/ Containment Basin Inspection (if applicable)

**G. INTAKE AND EXHAUST SYSTEMS**

1. Check air cleaner element
2. Check intake system
3. Check exhaust system and rain cap
4. Check louver operations (if applicable)

**H. ENGINE AND LUBRICATION SYSTEM**

1. Check lubrication system
2. Check crankcase ventilation system
3. Check spark ignited Ignition system (if applicable)

**I. GENERATOR OPERATIONS**

1. Start and observe generator and equipment operations
2. Verify engine and generator safeties as applicable

**K. TRANSFER SWITCH/ SWITCHGEAR**

1. Inspect all power and control wiring
2. Inspect switch mechanism and enclosure
3. Inspect controls and time delay settings
4. Check exercise clock
5. Verify remote start control operation
6. Measure and record utility/ source one voltage

**L. SYSTEM OPERATIONAL TESTS**

1. Genset test with or without load, if not allowed document decision maker
2. During test without load record engine oil pressure, oil temperature, coolant temperature, battery voltage, engine speed, exhaust temperature, coolant pressure, blowby flow, LTA temperature. Also record generator voltage on all phases, frequency, current on all phases, load PF, load KW Load KVA, and Load KVAR.
3. Record duration of system test in minutes

**M. SITE PRE-DEPARTURE VERIFICATION**

1. All applied energy source lock out devices removed
2. All controls and components in AUTO/REMOTE
3. All GENSET breakers ON/CLOSED (except power operated paralleling breakers)
4. Battery Charger operational/ breaker ON
5. Component heaters enabled/ breaker ON
6. Site Cleanup