PLANNED MAINTENANCE CHECKLIST
FULL SERVICE

CUSTOMER DETAILS			
CUSTOMER:	BREAKNECK CREEK REGIONAL - 199466	**DATE:**	10/08/25
ADDRESS:	140 DAVIDSON RD MARS PA 16046	**SERVICE ORDER #:**	100635
		FA JOB ID:	J1938423
SITE NAME:	DAVIDSON RD PS	**TECHNICIAN:**	Andrew Murray - 5
CONTACT NAME:	MATT MARASCO	**CONTACT EMAIL:**	mmarasco.bcra@gmail.com
ASSET NAME:	DAVIDSON RD PS	**CONTACT TEL:**	724 625-1699
PRODUCT DETAILS		**SECONDARY PRODUCT DETAILS:**	
PRODUCT MANUFACTURER:	ONAN : GEN SET	**MANUFACTURER:**	
PRODUCT MODEL:	DSFAA-4752316	**MODEL:**	
PRODUCT SERIAL:	F100126768	**SERIAL:**	
PROD HOURS / MILES / KM:	180	**HOURS / MILES / KM:**	

PASS	N/A	NEEDS ATTN.	
☑	☐	☐	**A. PRE-OPERATIONAL CHECKS**

☑	☐	☐	**B. BATTERIES AND BATTERY CHARGER**			
Battery install date:	10/08/25	Float Volts:	13.1	Current:	2	
Record highest and lowest specific gravity measured:						
High:		Low:				
Battery load test:		Test CCA:	950	Ambient temp:	67	
Battery 1: Float Volts:	13.1	Hold Volts:	12.8	Pass/Fail:	Pass	
Battery 2: Float Volts:		Hold Volts:		Pass/Fail:		
Battery 3: Float Volts:		Hold Volts:		Pass/Fail:		
Battery 4: Float Volts:		Hold Volts:		Pass/Fail:		

☑	☐	☐	**C. COOLING SYSTEM**			
Last coolant fill date:				Last coolant maint date (Belts, hoses, coolant):		
Jacket water temp:	100	°F		Cooling system pressure:		PSI
Coolant Properties:						
Freeze point:	-33	DCA Concentration:	2.0	PH level:		
Sulfates:		Chlorides:		Appearance:	Normal	
LTA Coolant:						
Freeze point:		Appearance:		PH level:		

PASS	N/A	NEEDS ATTN.	
✔			**D. GENSET CONTROLS AND ACCESSORIES**
✔			**E. MAIN ALTERNATOR**
✔			**F. FUEL SYSTEM**

Main tank fuel level:	3/4	Second Main tank fuel level:			
Day tank fuel level:					
Fuel pressure:		Running:		Loaded:	

✔			**G. INTAKE AND EXHAUST SYSTEMS**
✔			**H. ENGINE AND LUBRICATION SYSTEM**
✔			**I. GENERATOR OPERATIONS**
✔			**J. LUBRICATION OIL AND FILTRATION SERVICE**
✔			**K. TRANSFER SWITCH / SWITCHGEAR**

Measure and record utility / source one voltage: 241

✔			**L. SYSTEM OPERATIONAL TEST**

Genset test without load, load test not permitted by:

Record engine and load data:

Oil pressure:	85	Oil Temperature:		Coolant temp:	170
Battery Voltage:	14	Engine speed:	1800	Exhaust temp:	
Coolant press:		Blowby flow:		LTA temp:	
Genset Voltage:	240	Genset freq/Hz	60	Load PF:	

Current:

A:		B:		C:	
Load kW:		Load kVA:		Load kVAR:	

Duration system test: 30 Minutes

✔			**M. SITE PRE-DEPARTURE VERIFICATION**

Comments:

Generator ok at this time

Cummins OneBMS US Charlotte NC 28241	**TECHNICIAN NAME:** Andrew Murray - 5	**TECHNICIAN SIGNATURE:**	**DATE:**
	CUSTOMER NAME:	**CUSTOMER SIGNATURE:**	**DATE:**

INTERNAL USE ONLY

EPA ID, if different from Cummins:

Transporter/Destination Branch: Choose One

Quantity of Used Oil Being Shipped in Gallons:	***Transporter Signature:***	**Florida- Type Code:** ☐ **(A)-Automotive** ☐ **(I)-Inustrial**
Quantity of Used Oil Filters:	***Generator Signature:***	

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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

J. LUBRICATION OIL AND FILTRATION SERVICE

1. Change lube oil
2. Change lube oil filters, apply date and run hours to filter canister
3. Change fuel filters, apply date and run hours to filter canister
4. Drain sediment from coolant heater where equipped
5. Change coolant filters as equipped, apply date, freeze point and dca concentration to canister
6. Pressure test cooling system and record PSI readings
7. Check fan, water pump, drives and pulleys
8. Grease serviceable bearings
9. Post Lube service operation of Genset unloaded
10. Oil sample for laboratory analysis when recommended"
11. Change crankcase ventilation filter (if 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

USED OIL TRANSPORT INFORMATION

* IN CASE OF EMERGENCY ON A PUBLIC ROADWAY, CALL 9-1-1

* IN THE EVENT OF A SPILL, CALL HERITAGE CRYSTAL CLEAN (877-938-7948) OR CLEAN HARBORS (800-645-8265)

* FEDERAL REGULATION REQUIRES EACH REGISTERED PERSON TO MAINTAIN RECORDS ON EITHER THIS OR A SUBSTANTIALLY EQUIVALENT FORM WHICH CONTAINS THE SAME INFORMATION. THIS INFORMATION MUST BE KEPT ON-SITE FOR THREE (3) YEARS AND BE AVAILABLE DURING NORMAL BUSINESS HOURS.

* HALOGEN CONTENT DETERMINED BASED ON CUMMINS' ENGINE SERVICE AND PROCESS KNOWLEDGE, AND CONFIRMATION TESTING BY HERITAGE CRYSTAL CLEAN (or other transporter noted)

* FLORIDA - END USE CODE: (N)-SHIPMENT TRANSFERRED TO ANOTHER FACILITY FOR STORAGE OR PROCESSING (NOT END USE)