



GENERATOR INSPECTION CHECKLIST

Customer: POWER GENERATION ENTERPRISES

Repair Order #: 14602 Date: 1/28/25

Unit#: GLENDALE

	Equipment Make	Model Number	Serial Number	Spec Number	Hours/kW
Equipment:	KOHLER	2000REOZMD	SGM3235NL	GM80624-GA12	361.4
Engine:	MITSUBISHI	S16R-Y2TAW2-1	18730	NA	
Switch:	NA	NA	NA	NA	

Performed: OIS PM Trk/Miles: 202254 Checklist Key A Acceptable X Needs Attention NA Not Applicable

<p>Engine Lube System:</p> <p><input type="checkbox"/> A Inspect for leaks (repair minor leaks)</p> <p><input type="checkbox"/> A Check oil level and fill (up to 1 gallon)</p> <p>Engine Cooling System:</p> <p><input type="checkbox"/> A Inspect for leaks (repair minor leaks)</p> <p><input type="checkbox"/> A Check belts and hoses</p> <p><input type="checkbox"/> A Check coolant level & fill (up to 1 gal)</p> <p><input type="checkbox"/> NA Coolant freeze point <u>NA</u> F</p> <p><input type="checkbox"/> NA Inhibitors (Nitrites) <u>NA</u> ppm</p> <p><input type="checkbox"/> A Check cooling loop strainer for obstruction</p> <p><input type="checkbox"/> A Inspect cooling system for obstructions</p> <p><input type="checkbox"/> A Inspect radiator/heat exchanger cap</p> <p><input type="checkbox"/> A Inspect pulleys for excessive wear</p> <p><input type="checkbox"/> NA Pressure test system (if required) <u>NA</u> PSI</p> <p><input type="checkbox"/> NA Lubricate fan drive</p> <p>Engine Air System:</p> <p><input checked="" type="checkbox"/> X Inspect air cleaner (date) <u>NA</u></p> <p><input type="checkbox"/> A Check air cleaner indicator for proper operation</p> <p><input type="checkbox"/> A Check intake system for damaged or loose connections</p> <p><input type="checkbox"/> A Service crank case breather systems</p> <p><input type="checkbox"/> A Service air box drains</p> <p>Engine Fuel System:</p> <p><input type="checkbox"/> A Inspect for leaks (repair minor leaks)</p> <p><input checked="" type="checkbox"/> X Check fuel level <u>NA</u></p> <p><input type="checkbox"/> A Check for water in fuel</p> <p><input type="checkbox"/> A Drain water from water separator</p> <p><input type="checkbox"/> A Check day tank pump & alarm for proper operation</p> <p><input type="checkbox"/> A Inspect and lubricate governor linkage</p> <p><input type="checkbox"/> A Check governor oil level and add if needed</p> <p>Engine Electrical System:</p> <p><input type="checkbox"/> A Check condition of cables, wiring, loom, straps & connections</p> <p><input type="checkbox"/> A Check engine alternator</p> <p>Inspect ignition system (gas engines only)</p> <p><input checked="" type="checkbox"/> X Check general condition of batteries</p> <p>Last changed (date) <u>4/25/22</u></p> <p><input type="checkbox"/> NA Check operation of all unit heaters (oil, coolant, battery)</p> <p><input checked="" type="checkbox"/> NA Performed X-4 (If Required)</p>	<p>Engine Electrical System (cont.):</p> <p><input type="checkbox"/> A Check electrolyte levels</p> <p><input type="checkbox"/> A Clean battery posts/cables and apply corrosion inhibitor</p> <p><input type="checkbox"/> A Load test batteries</p> <p><input type="checkbox"/> A Inspect and test battery charger(s) for high and low rate and alarms</p> <p style="padding-left: 40px;">Low <u>NA</u> High <u>NA</u></p> <p><input type="checkbox"/> NA Battery static charge (vdc)</p> <p style="padding-left: 40px;">1 <u>NA</u> 2 <u>NA</u></p> <p><input type="checkbox"/> A Test starter drop (vdc)</p> <p style="padding-left: 40px;">1 <u>18.0</u> 2 <u>18.0</u></p> <p>AC Generator:</p> <p><input type="checkbox"/> A Inspect guards for loose or missing parts</p> <p><input type="checkbox"/> A Inspect AC connections for tightness</p> <p><input type="checkbox"/> A Inspect Exciter and brushes / slip rings</p> <p><input type="checkbox"/> A Inspect generator bearing</p> <p><input type="checkbox"/> A Lubricate generator bearing (external only)</p> <p>Test Generator without Load:</p> <p><input type="checkbox"/> A Inspect louvers and duct work</p> <p><input type="checkbox"/> A Inspect vibration isolators</p> <p><input type="checkbox"/> A Check for abnormal noise</p> <p><input type="checkbox"/> A Check for excessive crankcase discharge</p> <p><input type="checkbox"/> A Check governor response</p> <p><input type="checkbox"/> A Check for operation of remote equipment (fan motors, valves, pumps and louvers)</p> <p>Engine Exhaust System:</p> <p><input type="checkbox"/> A Check exhaust system for leaks</p> <p><input type="checkbox"/> A Inspect exhaust outlet protection</p> <p><input type="checkbox"/> A Drain condensation trap (if accessible)</p> <p><input type="checkbox"/> A Check for broken or missing hardware</p> <p><input type="checkbox"/> A Check for engine wet stacking</p> <p>Engine Instrumentation:</p> <p><input type="checkbox"/> A Check all instruments and lamps for proper operation</p> <p><input type="checkbox"/> A Inspect the remote annunciator</p> <p><input type="checkbox"/> A Check hour meter operation</p> <p>Check and record engine readings:</p> <p><input type="checkbox"/> A Tachometer RPM <u>1800</u></p> <p><input type="checkbox"/> A Engine oil pressure <u>95</u> Cold <u>85</u> Hot</p> <p><input type="checkbox"/> A Engine coolant temp. <u>150</u> F</p> <p><input type="checkbox"/> A Voltmeter <u>29</u> VDC</p> <p><input type="checkbox"/> A Ammeter <u>6</u> ADC</p>	<p>Check & record generator readings & adjust as necessary:</p> <p><input type="checkbox"/> A AC Voltage <input type="checkbox"/> A <u>479</u> <input type="checkbox"/> B <u>480</u> <input type="checkbox"/> C <u>481</u></p> <p><input type="checkbox"/> A AC Frequency <u>60</u> Hz</p> <p>Engine Protection System:</p> <p><input type="checkbox"/> A Test alarm circuits for proper operation:</p> <p><input type="checkbox"/> NA Over crank</p> <p><input type="checkbox"/> NA Low Oil Pressure</p> <p><input type="checkbox"/> NA High water temperature</p> <p><input type="checkbox"/> NA Over speed</p> <p><input type="checkbox"/> NA Test pre-alarms</p> <p><input type="checkbox"/> A Check Instrument panel emergency alarm and lights</p> <p>Switchgear/Automatic Transfer Switch-Level 1</p> <p><input type="checkbox"/> NA Inspect general cleanliness (Interior/Exterior)</p> <p><input type="checkbox"/> NA Inspect for signs of moisture</p> <p><input type="checkbox"/> NA Inspect lugs, terminals, connections, and wiring</p> <p><input type="checkbox"/> NA Check audio signaling</p> <p><input type="checkbox"/> NA Check indicating lights</p> <p>Misc:</p> <p><input type="checkbox"/> A Wipe down engine and valve covers</p> <p><input type="checkbox"/> NA General condition of diesel fire pump / room</p> <p>PM Services:</p> <p><input type="checkbox"/> NA Change oil <u>NA</u> Gal <u>NA</u> SAE Wt</p> <p><input type="checkbox"/> NA Change oil filters</p> <p><input type="checkbox"/> NA Change coolant filter (s)</p> <p><input type="checkbox"/> NA Change oil and clean elements-wet type</p> <p><input type="checkbox"/> NA Change primary and secondary fuel filter(s)</p> <p><input type="checkbox"/> NA Will properly dispose of fluids/filters</p> <p>Additional Services:</p> <p><input type="checkbox"/> NA Oil sample analysis</p> <p><input type="checkbox"/> NA Fuel sample analysis</p> <p><input type="checkbox"/> NA Coolant sample analysis</p> <p><input type="checkbox"/> NA Change air filters</p> <p><input type="checkbox"/> NA Perform Load Bank test & supply documentation</p> <p><input type="checkbox"/> NA Building Test</p> <p><input type="checkbox"/> NA Switchgear/ATS Level 2 <u> </u> Level 3 <u> </u></p>
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General Comments:

UPON ARRIVAL VERIFIED ALL GENERATOR FLUID LEVELS. LOOKED OVER UNIT CLOSELY AND GATHERED ALL APPLICABLE INFORMATION. TOOK PICTURES OF ALL SERVICE ITEMS. CONNECTED FLUKE METER TO BATTERY TERMINALS AND PROCEEDED TO CRANK ENGINE OVER TO DETERMINE BATTERY DROP RATE. STARTED AND RAN UNIT FOR 15 MINUTES ONLY (DUE TO FUEL CAPACITY LIMITATIONS) WHILE MONITORING CLOSELY. GENERATOR RAN AND PERFORMED WELL WITH NO ADDITIONAL ISSUES TO REPORT AT THIS TIME.

Returned Controls to Normal Operating Positions

Control Switch: On Auto Off Open Closed

Not On Site 1/28/2025 *Eli Whitman* 1/28/2025

Authorized Personnel Signature Date Technician's Signature Date