

Inspection Report (Generator)

General Info

Year	2020
Make	SmartGen
Model	SGC-100GF
Serial Number	20201122655
Hour Meter Reading	2,999 Hrs.
Previous Application (e.g., earth moving, mining, demolition, etc)	General Construction

Dimensions

Dimensions	Please enter in or verify (if pre-populated) the following dimensions.
Length (ft and inches)	9'2"
Width (ft and inches)	3'8"
Height (ft and inches)	5'5"
Operating Weight (lbs)	N/A (guessing at least 3,000lbs)

Features and Configuration

Features	Enter in and/or verify the following information regarding the features of this equipment.
Towable	No
Prime Power Rating (kW/KVA)	125KVA. - 100KW
Phase Type	Three Phase
OMM (Operator & Maintenance Manual)	No
Telematics	No

Exterior 360 Walkaround

Exterior 360 Walkaround

Instructions	<p>Take photos of the exterior of the piece of equipment. Capture a full 360 degree walk around and all major components.</p> <p>Must have shots to capture:</p> <ul style="list-style-type: none"> - Front - 45 degree corner shot of left front - 45 degree corner shot of right front - Left side - Right side - Rear - 45 degree corner shot of left rear - 45 degree corner shot of right rear <p>Tips for good photos:</p> <ul style="list-style-type: none"> - Move the equipment into a open area without any visual distractions or other equipment in the background
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Exterior Walkaround Photos



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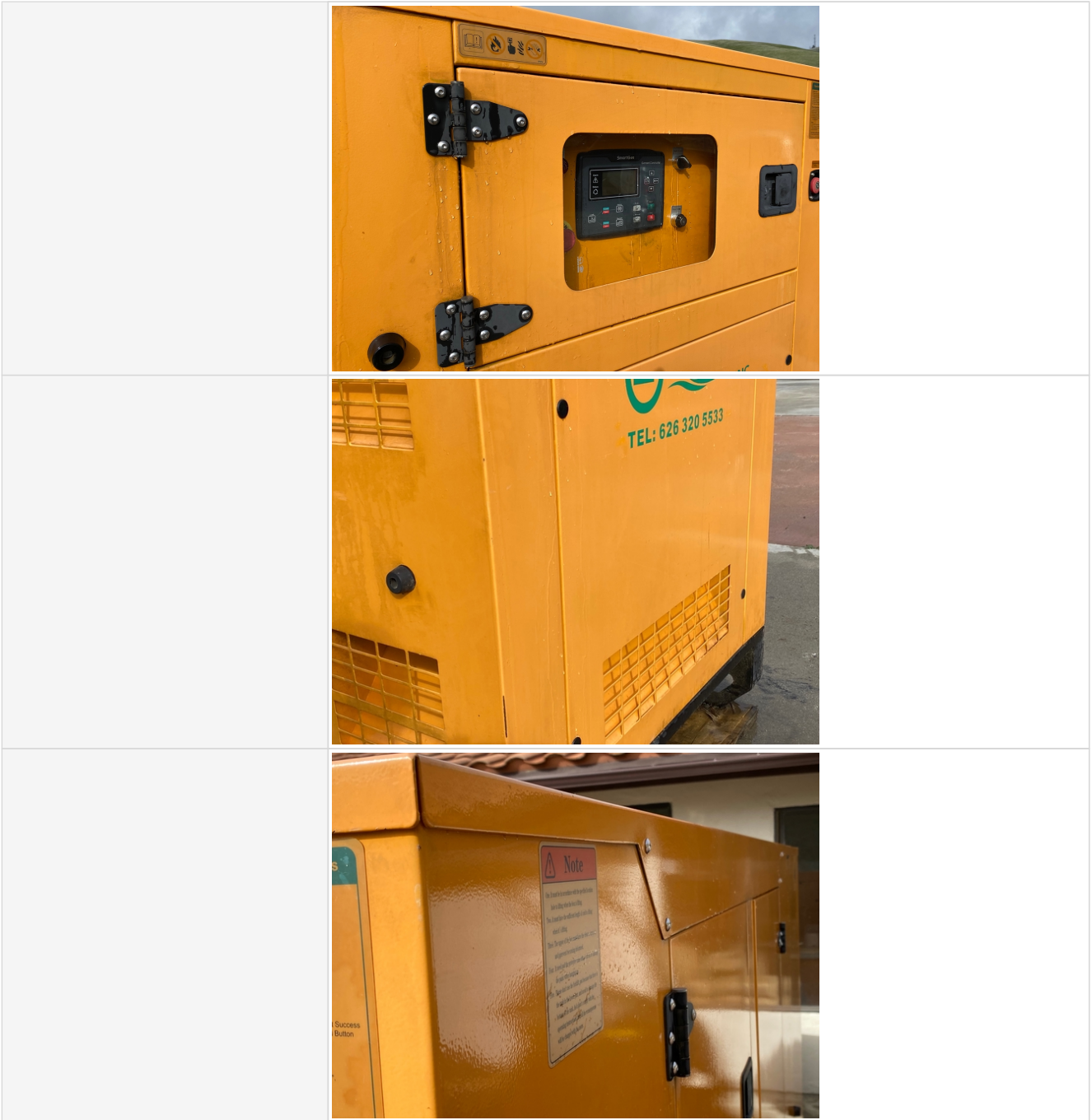
General Appearance

General Appearance

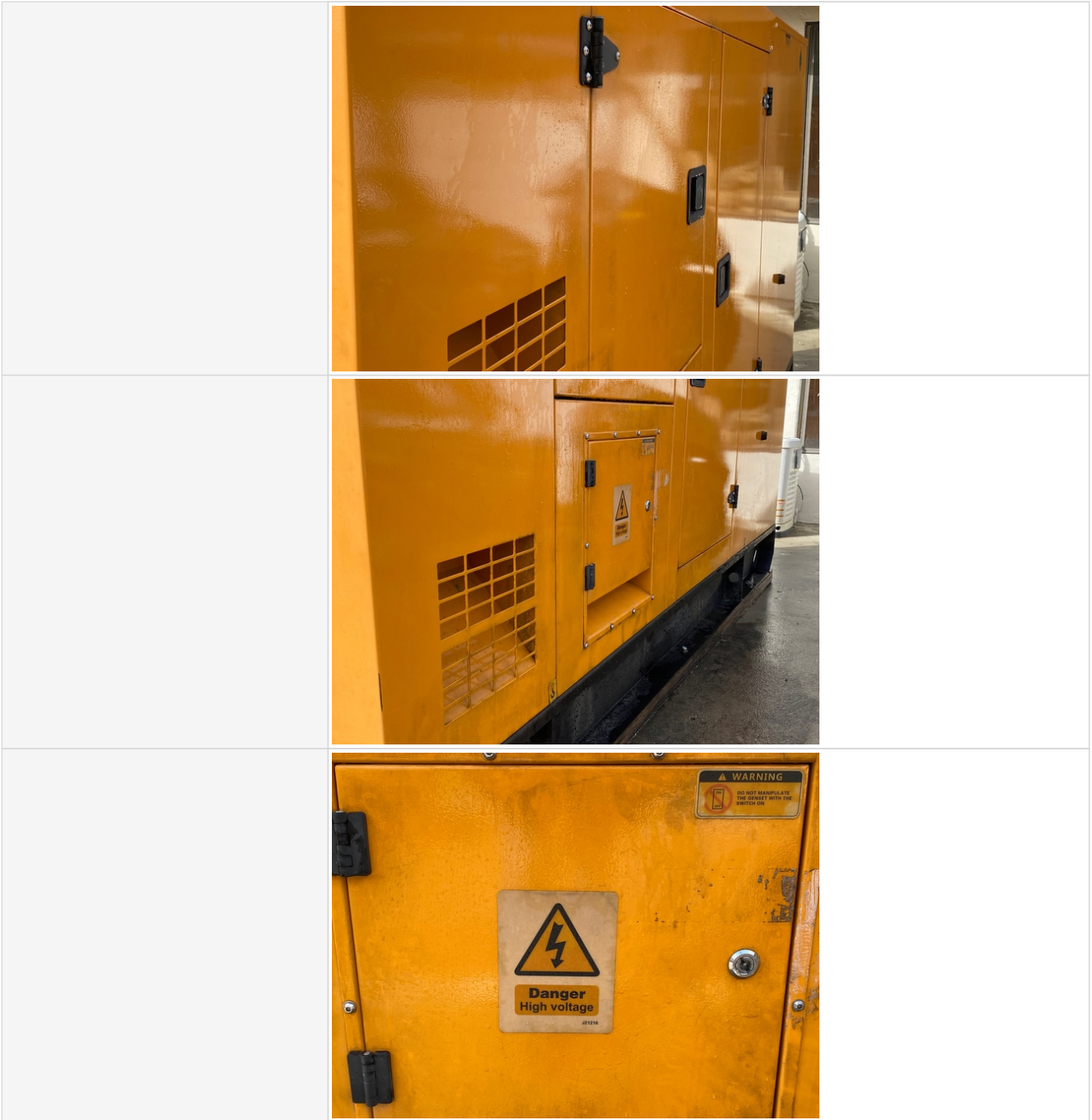
Close-up Exterior Photos



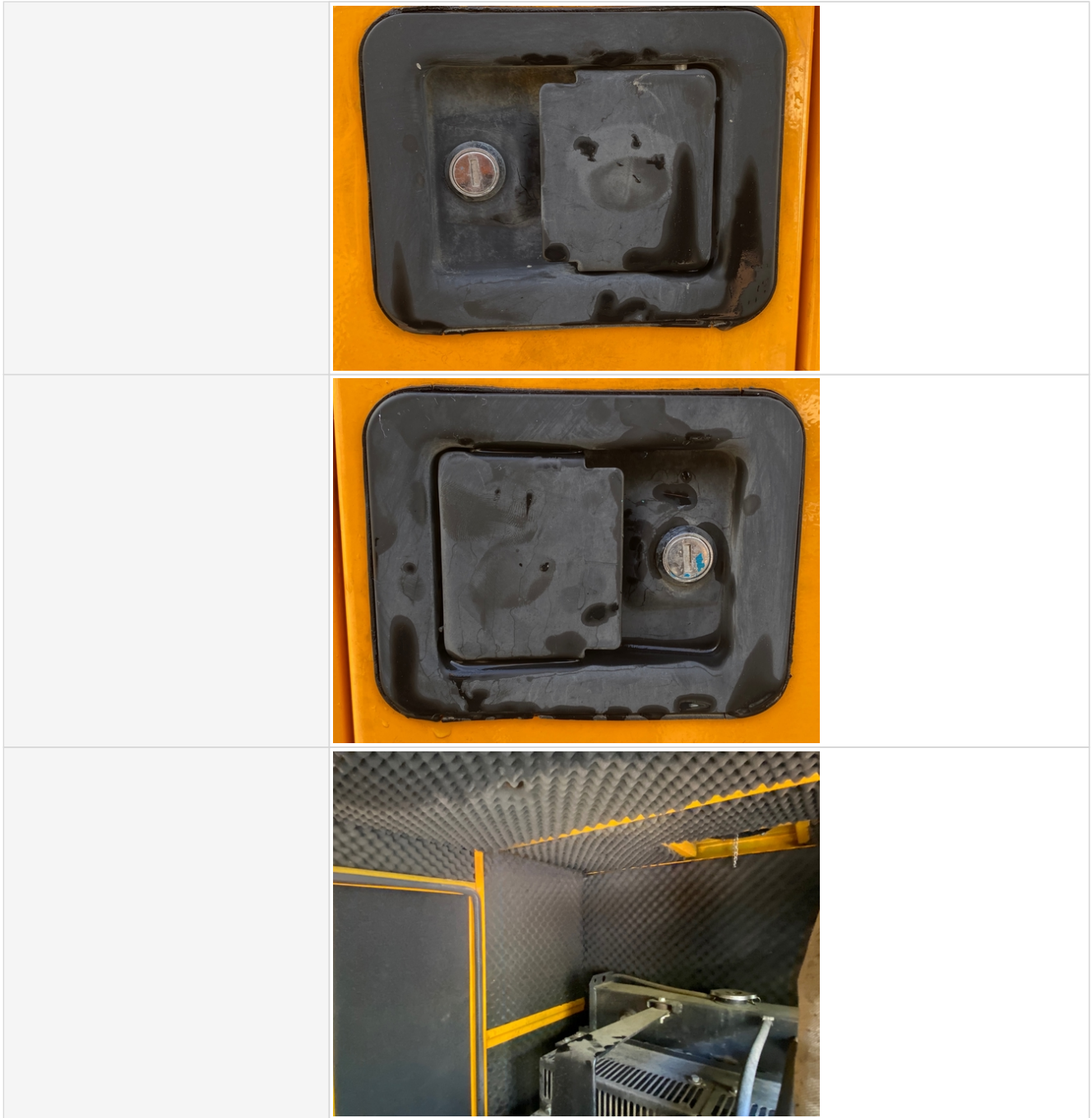
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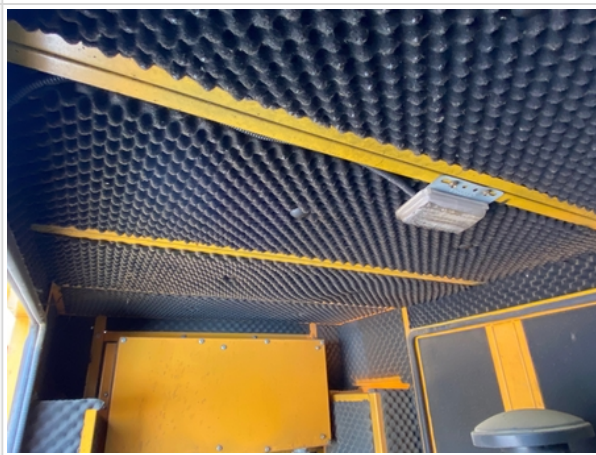
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Body Panels	3 - Normal Wear & Tear	
Body Panel Condition	No visible damage, good paint condition and panel fitment	
Doors / Canopy Latches	3 - Normal Wear & Tear	
Doors / Canopy Latches Condition	No visible damage	
Steps / Ladders	0	
Handrails	0	
Glass	0	

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Mirrors	0
Exterior Lights	0

Engine Inspection Points

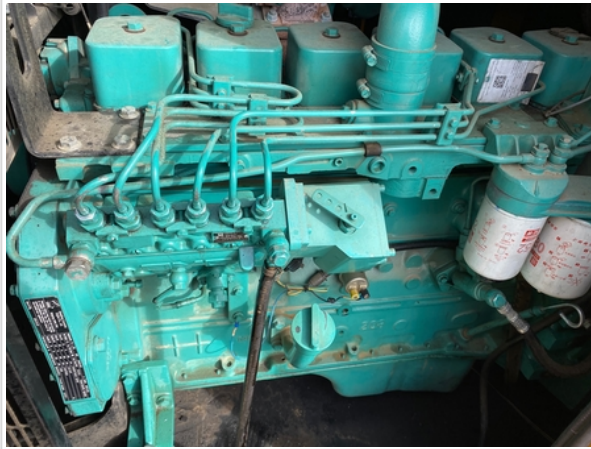
Engine

Engine Type (Make, Model, Cylinders, Hp)	Cummins - 6BT5.9-G2 - 6CYL - 5.9L - 85 HP
Emissions Tier	Tier 3
Engine Serial Number	8244601
Engine Fuel Type	Diesel
Engine Photos	
	



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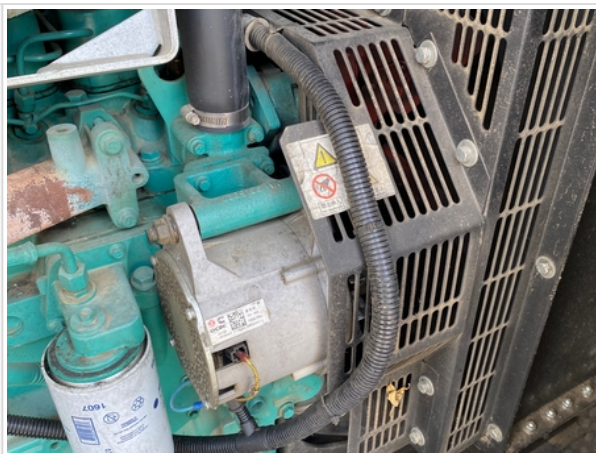


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Blow-by (Visual Observation Check)	No
Unusual Noises (Upon Start-up, Idle, Shutdown)	No
Unusual Noise Notes	No unusual noises heard
Engine Smoke (Upon Start-up, Idle, Shutdown)	No
Engine Smoke Notes	No engine smoke issues observed
Engine Exhaust Color	Clear
Battery	2 - Above Average Wear
Battery Condition	Clean & dry appearance, tight connections, Other (see comments)
Comments	Battery hold downs not in place. Batteries working well with no issues at startup.

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Battery Condition Photos	
	
Radiator	3 - Normal Wear & Tear
Radiator Condition	Radiator fins & components appear to be in good working order, no signs of damage or leaks
Belts	3 - Normal Wear & Tear
Belt Condition	Belts appear in good condition & alignment with proper tension
Hoses	3 - Normal Wear & Tear
Hose Condition	Firm, pliant hoses with no signs of wear or leaks
Hose Photos	

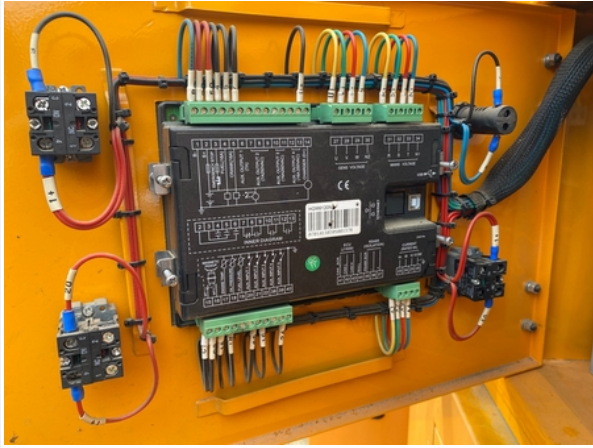

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Water Pump	3 - Normal Wear & Tear
Water Pump Condition	No unusual pump noises heard
Cooling System Leaks	No
Coolant Color / Appearance	3 - Normal Wear & Tear
Coolant Color/Appearance Notes	Normal Translucent appearance, no visual signs of contamination
Oil Leaks	No
Oil Color / Appearance	3 - Normal Wear & Tear

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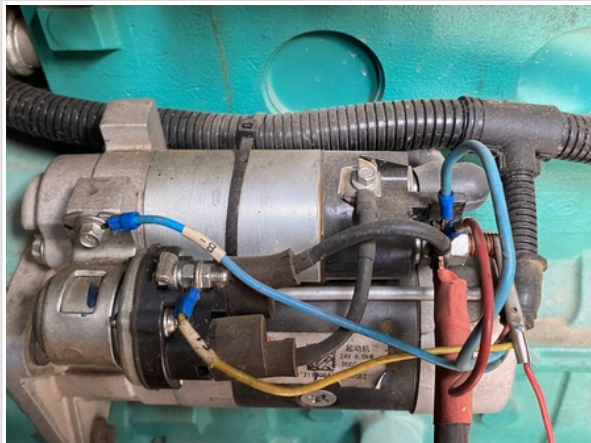
Oil Color / Appearance Notes	Clean oil appearance, no signs of cross contamination, Appropriate oil level
Fuel Leaks	No
Equipped with DPF (Diesel Particulate Filter)	No
Requires DEF (Diesel Exhaust Fluid)	No
Overall Engine Appearance	Dusty & dry, Clean & dry
Overall Engine Comments	Overall Engine is in good condition. No active leaks observed. Oil service recommended due to time since last service being unknown. Engine start system customized with in line electrical fuel pump. Besides this the rest of the engine/generator pack is oem.

Electrical Connections




Wire Harness	3 - Normal Wear & Tear
Comments	custom made harness is for powering in line electric diesel fuel pump noticeable from fuel filter housing over to the dual batteries
Wire Harness Photos	
	
Cables & Fittings	3 - Normal Wear & Tear

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Cables & Fittings Photos



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Electrical Connections	3 - Normal Wear & Tear
Electrical Connections Photos	
Controls & Switches	3 - Normal Wear & Tear
Controls & Switches Photos	
	

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Disconnect Switch	3 - Normal Wear & Tear	

Generator Panel

110V	No
240V	Yes
Panel Indicator Lights	3 - Normal Wear & Tear
Disconnect Switch	3 - Normal Wear & Tear
Fuse Block	3 - Normal Wear & Tear




Gauges & Meters

Hour Meter	3 - Normal Wear & Tear
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Hour Meter Photos	
RPM Display	3 - Normal Wear & Tear
RPM Display Photos	
Volt Display	3 - Normal Wear & Tear
Volt Display Photos	
Pressure Display	3 - Normal Wear & Tear



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Pressure Display Photos	
Menu Display	3 - Normal Wear & Tear
Menu Display Photos	
	

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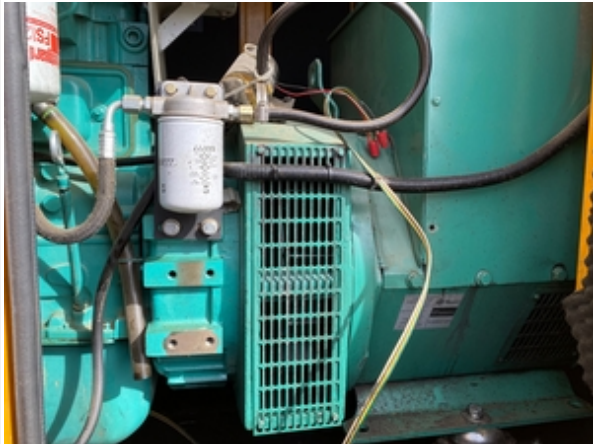
		
Display Screen Appearance	3 - Normal Wear & Tear	

Mounting Plate

Overall Mounting Plate Appearance	3 - Normal Wear & Tear	
Comments	Some engine mounts showing small cracks in the rubber	
Mounting Plate Photos		
		
Bottom Surface	3 - Normal Wear & Tear	
Mount Security	3 - Normal Wear & Tear	

Trailer & Fuel Tanks

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Fuel Tank Condition	3 - Normal Wear & Tear
Fuel Lines & Hoses	3 - Normal Wear & Tear
Comments	Some lines/hoses are not OEM due to inline electric fuel pump set in place
Fuel Lines & Hoses Photos	
	

Functional Test

Engine	3 - Normal, Operating as Expected
Controls	3 - Normal, Operating as Expected
Gauges & Meters	3 - Normal, Operating as Expected
Power Output	3 - Normal, Operating as Expected
Outlets	3 - Normal, Operating as Expected
Trailer	0
Overall Functional Test Comments	Overall generator fires right up and all indicators on Control Panel display normal operation.
Operating Video	Click to Download

Inspection Summary

Overall Assessment

Exterior Rating	3 - Normal Wear & Tear
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Interior Rating	3 - Normal Wear & Tear
Safety Rating	3 - Normal Wear & Tear
Quality Rating	3 - Normal Wear & Tear
Functionality Rating	3 - Normal, Operating as Expected
Overall Rating	3 - Normal Wear & Tear
What's Great About the Machine	Generator pack has a durable Cummins engine without all the after treatment addons which make this unit easier to work on. No active leaks seen from engine and it sounds healthy. This unit is equipped with a user friendly Smart Gen Panel that helps the owner easily monitor the GenSets core functionalities.
What Needs Work	Possible front of engine rubber mounts may need to be replaced soon. Aftermarket in line fuel pump at primary filter not permanently mounted and if kept as a permanent solution should be. No operator manual or keys come with this unit but all doors and ignition work.
Date/Time	01-17-2023