



Generator Set Inspection Report

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3500 Highway 93 S

Kalispell, MT 59901

For 24 hr. Emergency Support Call: 406-270-5781

Customer Information

Customer Name:	<u>Teryl Murray</u>	Date:	<u>7-7-15</u>
Contract #	_____	Machine location:	<u>East Missoula</u>
Equipment #:	_____	Model #:	<u>C18</u>
Make #	<u>Cat</u>	Control Panel	<u>EMCP 3.2</u>
Serial #	<u>STD00214</u>	Generator Serial #	<u>G7A00655</u>
Generator Frame #	_____	KW Rating	<u>600</u>
KVA Rating:	<u>750</u>	OT/2T #:	_____
Engine Arr. #	<u>241-2417</u>	Phase:	<u>3</u>
Rated Voltage:	<u>480/277</u>	Hour Meter	<u>683</u>
W/O Number:	<u>EW34825</u>		

Switch Gear Information

Make	_____	Model #	_____
Serial #	_____	Cat #	_____
ATS Voltage	_____	ATS Current	_____

Maintenance Information

Date of last oil and filter change	_____
Hours at last oil and filter change	_____
Recommended date for oil change	_____
Recommended date for load Test	_____

By checking this button, I certify that I personally conducted the work documented on this form.

Inspector's Signature Pete Edwards Date 7-7-15

Customer Name: _____ Work Order #: EW34825



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Pre Check List

#	Description	Pass	Fail	Value
1	Generator breaker closed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2	Control Switch in the auto position	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3	Check control panel for active alarms	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4	Check battery charger operation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Notes
5	Record battery charger float voltage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	22.3 VDC
6	Check fan drive belts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7	Check alternator drive belts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8	Check all belt pulley condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9	Check all radiator guards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10	Check all fan guards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11	Check all belt guards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12	Check Generator Set mounting bolts and hardware	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13	Check adjustment of vibration isolation equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
14	Visually inspect air intake system	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
15	Check intake air filters	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Notes
16	Tighten all intake air hose clamps	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
17	Visually check exhaust system	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
18	Check exhaust system for leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
19	Check exhaust manifold mounting hardware	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
20	Inspect exhaust rain cap	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
21	Load test engine starting batteries	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Notes
22	Clean battery connections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
23	Check starter connections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
24	Check battery electrolyte level	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
25	Install battery anti-corrosion protection	<input type="checkbox"/>	<input type="checkbox"/>	



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Battery Load Test

Battery CCA _

26	Battery 1	<u>1400</u>	CCA 1700	Tested
27	Battery 2	<u>1125</u>	CCA 321	CCA
28	Battery 3		CCA	CCA
29	Battery 4		CCA	CCA

Cooling System

#	Description	Pass	Fail	Value
30	Check engine coolant level	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
31	Check operation of engine block heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Notes
32	Record block heater temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
33	Check cooling system freeze point	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-36 Dec
34	Check cooling system conditioner level	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
35	Type of coolant in system- standard <input type="checkbox"/> or ELC <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
36	Check for cooling system contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
37	Check for cooling system leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
38	Check all cooling system hoses	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
39	Tighten all cooling system hose clamps	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
40	Visually inspect engine radiator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
41	Check for externally plugged radiator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
42	Check water pump for leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
43	Inspect radiator cap	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
44	Cooling system due for flush and replacement	<input type="checkbox"/>	<input type="checkbox"/>	
45	Cooling system due for LLC extender	<input type="checkbox"/>	<input type="checkbox"/>	



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Fuel System

#	Description	Pass	Fail	Value
46	Fuel system type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Diesel
47	Check fuel levels	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Empty
48	Visually check fuel system for leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
49	Check all fuel system hose conditions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
50	Check for proper flexible fuel lines to engine	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
51	Check operation of day tank	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
52	Drain sediment from day tank	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
53	Check and advise fuel additive / anti-jell	<input type="checkbox"/>	<input type="checkbox"/>	
54	Replace primary and secondary fuel filters	<input type="checkbox"/>	<input type="checkbox"/>	

Lube System

#	Description	Pass	Fail	Value
55	Check lube oil level	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
56	Check for engine oil leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
57	Check condition of exterior oil lines and hoses	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
58	Pull engine oil sample	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
59	Replace engine oil and filters	<input type="checkbox"/>	<input type="checkbox"/>	

Automatic Transfer Switch

#	Description	Pass	Fail	Value
60	Check switch for proper rating	<input type="checkbox"/>	<input type="checkbox"/>	
61	Visually check all wiring.	<input type="checkbox"/>	<input type="checkbox"/>	
62	Check all connections with heat gun	<input type="checkbox"/>	<input type="checkbox"/>	
63	Check operation of transfer switch	<input type="checkbox"/>	<input type="checkbox"/>	
64	Check exerciser operation	<input type="checkbox"/>	<input type="checkbox"/>	
65	Check and/or replace 9 volt backup battery	<input type="checkbox"/>	<input type="checkbox"/>	



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Items Found During Current Inspection

Line #	Description	Date
4	No Electrical to genset, battery charger not working	7-7-15
15	Needs new air filters	7-7-15
21	Right battery 1125 CCA needs to be charged and retested, only tested at 321 CCA	7-7-15
31	No Electrical to genset Block heater not working	7-7-15
	See Product Status Report for more information on Generator	