

Group 1 Highway & Bridge Maint Division	Group 3 Port Everglades BCPEA	Group 4 Facilities Management Division	Group 5 Transportation Division	Group 6 Aviation Department	Group 7 Traffic Engineering Division	Group 8 Solid Waste & Recycling Services	Group 9 Office of Communication
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DAILY SERVICE REPORT

ITEM #: 160

VENDOR: Megawattage LLC **PURCHASE ORDER #:** WRSB100913 - 0005

LOCATION: Solid Waste **WORK ORDER #:**

ADDRESS: 7101 SW 205th Ave **DATE OF SERVICE:** 11/1/13

CITY: Ft Lauderdale **PM:**

DESCRIPTION OF JOB: **SERVICE CALL:**

MODEL #: Kohler 200R02271 **SERIAL #:** 232242

QTY	PARTS USED DESCRIPTION (MANDATORY VENDOR BACKUP NEEDED)	PRICE	AMOUNT
	Hour 991	Hotz 60	
		AC Volt 480	
		DC Volt 25vt	
	Hour Meter Broken - Stuck @ 991	CCA 2000	
		Oil 35 psi	
		Water 178F	
		Fuel Full-	

LIST SUB-CONTRACTORS USED (MANDATORY VENDOR BACKUP NEEDED)

SERVICE PERSON, SUB-CONTRACTOR NAMES	TIME IN	TIME OUT	TOTAL REG	TOTAL OT
Bill	9:30Am	10:30Am		
TOTAL				

WORK PERFORMED: Pm of Generator

CONTRACTOR SIGNATURE: Wm Centro **PERSONNEL SIGNATURE:** _____

INFORMATION BELOW TO BE COMPLETED BY AUTHORIZED DEPT PERSONNEL

JOB COMPLETE? YES NO

IF NO, STATUS:

IF YES, SIGN "FINAL ACCEPTANCE" ***AUTHORIZED DEPT PERSONNEL SIGNATURE** X _____

"I HAVE THE AUTHORITY TO ORDER WORK OUTLINED ABOVE WHICH HAS BEEN SATISFACTORILY COMPLETED AND AGREE TO PAY ALL PARTS AND HOUS AS INDICATED ON THIS SERVICE REPORT"

RW

#160

PREVIOUS CONTRACT NO. E-X-07-333-M2

BID NO. L1098105B1

Attachment "A-1"

Hour 991

GENERATOR PREVENTIVE MAINTENANCE INSPECTION CHECKLIST

DATE: 11-1-13
TECHNICIAN: Bill
LOCATION: Solid Waste
7101 SW 205th Ave

MANUFACTURER: Kohler
SERIAL NO. 252242
MODEL NO. 200R02271

DESCRIPTION	Satisfactory	Unsatisfactory	NA	RECOMMENDATIONS
Lubricating System				
1 Check lube oil level.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2 Check condition of lube oil hoses and connections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3 Check and add grease where applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4 Check for oil leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5 Obtain and perform lube analysis (minimum twice a year) Date Completed _____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Fuel System				
6 Check governor drive oil level	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7 Check governor and controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8 Drain water from fuel filter/separator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9 Check condition of fuel filter - Primary and Secondary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10 Check/set fuel linkage and throttle	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11 Check prelude pump	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12 Check condition of fuel hoses and connections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13 Check fuel pressure	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
14 Change element if necessary	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
15 Visually inspect fill and vent areas for defective equipment and possible H2O entry points	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
16 Visually inspect surrounding areas for ground contamination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
17 Inspect and record fuel levels LEVEL <u>Full</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
18 Extract fuel sample from tank bottom to top ensuring all fuel levels are represented. Test storage tank for water with fuel stick.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
19 Seal sample with air tight cap	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
20 Test sample for any and all contaminants	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
21 List and record all contaminants and possible causes in report	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

PW

Attachment "A-1"

22	Provide written report and representative samples within 24 hours of completion	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
Cooling System					
23	Pressure test performed annually Date Completed _____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
24	Check coolant level - add if low Amount Added _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
25	Inspect/set jacked water heater	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
26	Check water filter and DCA level	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
27	Check for leakage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
28	Check condition of water hose Good <input checked="" type="checkbox"/> Bad _____ Replaced? _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
29	Check thermostats	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
30	Check all belts and make adjustments where necessary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
31	Check remote pumps and motors	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
32	Added Inhibitor? Yes ___ No <input checked="" type="checkbox"/> Amount Added _____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
33	Check coolant PH-antifreeze Amount Added _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Boil @ 225F</u>
34	Check heat exchanger	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
32	Check fan and radiator for physical damage, obstruction and leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Air System					
33	Check air filter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
34	Check air filter service indicator	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
35	Check air compressor	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
36	Check air hoses and connections	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
37	Check turbo charger for noise while running	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Exhaust System					
38	Check exhaust manifold	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
39	Check valves and valve rotators	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
40	Check drain muffler	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
41	Check louvers and dampers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Electrical System					
42	Test battery; clean terminals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>25vt</u>
43	Check visual and audible alarms	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

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Attachment "A-1"

- 44 Check/adjust switchboard relays
- 45 Clean dust from panels

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Electrical System (cont.)

- 46 Check paralleling system
- 47 Test fault lamps and replace as necessary
- 48 Check/adjust electrical meter
- 49 Inspect governor and linkage
- 50 Check generator control panel
- 51 Test auto-start/stop system
- 52 Check/tighten electrical connections (control panel only)
- 53 Check exciter
- 54 Check/test voltage regulator and calibrate
- 55 Check circuit breakers
- 56 Repair minor leaks
- 57 Check air compressor if not electric start
- 58 Lubricate generator starter/cranking motor
- 59 Check battery connections; clean and tighten
- 60 Check battery fluid level **Added?** Yes No

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

All cells were low

- 61 Inspect isolators, including wiring connections from generator to the electrical system
- 62 Check engine room ventilation
- 63 Check remote electrical equipment
- 64 Check clock mechanism for "exercise cycle system" semi-annually for functionality and accuracy. Adjust as necessary **Adjusted?** Yes No

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Engine Safety Controls

- 65 Check operation of safety controls
- 66 Prime Move
- 67 Check Battery System
- 68 Test shunt trip unit
- 69 Test idle shutdown timer
- 70 Check engine gauges
- 71 Test/adjust oil pressure safeties

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Hobbs Hour Meter Not Working - 991.1

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Attachment "A-1"

72 Test/adjust overspeed safeties; record overspeed stop _____

73 Test hi-temp safety circuit _____

Engine Test - No Load

74 Start engine; check operation _____

75 Water temperature: 178 F _____

76 Adjust RPM if necessary Yes _____ No _____

77 ~~X~~ Observe oil pressure and record: Reading 35 _____

Engine Test - Using Load, if necessary use appropriate Load Bank

78 Perform Load test _____

79 Record RPM 1800 _____

80 Shut down engine and return to normal automatic condition _____

81 Check exhaust for leaks, restrictions and density _____

82 Engine Water Temperature 178 F _____

83 Lube Oil Temperature NA _____

84 Battery Charge Rate 20V _____

85 Engine Lube oil Pressure 35 psi _____

86 Fuel Pressure NA _____

Generator Sets

87 Check and record under load. Volts; Amps; Frequency _____

88 Phase A Volts Reading: _____ _____

89 Phase B Amps Reading _____ _____

90 Phase C Frequency _____ _____

91 Check operation of transfer switch _____

92 Adjust frequency to 60 Hz under load _____

93 Check generator slip rings air flow and temperature _____

94 Lubricate generator bearings, drive and joints _____

95 Adjust voltage regulator Yes _____ No _____

Broward County Representative Signature

Broward County Representative Signature

#160 Solid Waste -

X

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