

Routine

Utilities Bldg

W.O. #: 227318

1016 MYRTLE STREET

227318

Work Order Detail

Supervisor:	TOM HESS	Crew Name:	CM SUPERINTENDENT
Requested By:	DON STOCKWELL	Team Leader:	TOM HESS
Contact Info.:		Request Date:	04/19/2020
Created By:	DON STOCKWELL	WO Due Date:	04/27/2020 Time:

Work Description

CM-PM-WEEKLY-GROUPED BY LOCATION -

JSA REVIEWED JSA CREATED NOT APPLICABLE

Follow safe work procedures

Task

Seq. ID	Description	Maintenance Item	# of Units	U.O.M
506693	CM-PM GENSET WEEKLY PM	BALDOR 500 KW STANDBY GENERATOR ENGINE \ DIESEL GENERATOR ENGINE ID: UB-BALDOR-GEN-ENG Serial #: M05E078084-6	_____	_____
506694	CM-PM WEEKLY GENSET EXERCISE	MAGNUM POWER PRODUCTS 153 KW STANDBY GENERATOR ENGINE \ DIESEL GENERATOR ENGINE ID: LS-MPP-GEN-ENG-7708 Serial #: 1411682	_____	_____
506695	CM-PM DIESEL STANDBY GENERATOR ENGINE WEEKLY INSPECTION-WTP	MAGNUM POWER PRODUCTS 70 KW #7709 \ DIESEL GENERATOR ENGINE ID: LS-MPP-70KW-GEN-7709 Serial #: 3001147626	_____	_____
506696	CM-PM DIESEL STANDBY GENERATOR WEEKLY INSPECTION	MAGNUM POWER PRODUCTS 70 KW #7710 \ DIESEL GENERATOR ENGINE ID: LS-MPP-70KW-GEN-7710 Serial #: 3001147627	_____	_____

Service Information (S.O.P.):

S.O.P. Code	Description
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417 >>> CM-PM DIESEL GENSET WEEKLY PMI - MUD CREEK
Withlacoochee Wastewater Treatment Plant Preventive Maintenance
Caterpillar 3512 Standby Genset
Weekly PM Checklist
Updated 13Mar13

Work Order: _____ Technician: _____ Date: _____

Genset: 1 2 (circle one) Serial #: _____

Instructions: If no problems noted, circle OK. If problems encountered, Not OK. Document problems and initiate new task in CMMS.

- 1. Check for alarms. OK Not OK
- 2. Annunciator - inspect. OK Not OK
- 3. Battery Charger - check. OK Not OK

- 4. Batteries electrolyte levels - check. Service batteries with distilled water only.
- 5. Engine air pre-cleaner - inspect. Clean as required.
- 6. Generator - inspect readily accessible areas for overall condition. OK Not OK
- 7. Jacket water heater - check. OK Not OK
- 8. Space heater - test. OK Not OK
- 9. Electrical: Verify all readily accessible connections, wiring, and conduit is secure and not damaged.
Note: Be especially observant where wires or wire bundles cross or contact metal structures or come in close contact to moving parts. Wiring can chafe if not properly routed / secured causing electrical fires or an arc flash. OK Not OK
- 10. Walk around inspection. OK Not OK

510

>>> Weekly Standby Genset Run

Updated 9/28/17

- 1. Check engine oil and coolant level.
- 2. Visual walk around inspection.
- 3. Run Generator 15 - 20 minutes.

CM-SOP-211

>>> CM-PM DIESEL STBY GEN ENGINE WEEKLY PMI

Valdosta Water Treatment Plant Preventive Maintenance
Caterpillar 3516 Standby Genset
Weekly PM Checklist

Work Order: _____ Technician: _____ Date: _____

Genset: 1 2 (circle one) Serial #: _____

Instructions: If no problems noted, annotate OK check box. If problems encountered, annotate Not OK check box. Document problems and initiate new task in CMMS.

WEEKLY

- 1. Check for alarms. OK Not OK
- 2. Verify system is online and only one generator is set to standby mode. OK Not OK
- 3. Verify engine jacket water heater is functioning (engine block warm to touch with engine off).
OK Not OK
- 4. Inspect generator system for obvious system component leaks: fuel, oil, and coolant (inside building).
OK Not OK
- 5. Day Tank: Inspect day tank next generator for leaks. OK Not OK
- 6. External Fuel Storage Tanks: Inspect water separators/filters for contamination, security. Verify no leaks.

Drain water from water separators/filter housings as required. If water/contamination is noted, generate a new task on this work order in CMMS. OK Not OK

7. Fuel Quantity: Verify external fuel tank levels are maintained approximately 90% full. If fuel is required, notify plant superintendent. Record in-tank water and fuel level. OK Not OK

Tank 1 Fuel Quant: _____ Gal. Water: _____ Gal

Tank 2 Fuel Quant: _____ Gal. Water: _____ Gal

8. Battery Charger: Verify battery charger is operating properly. OK Not OK

9. Batteries: Verify properly serviced. Add only distilled water if electrolyte is low. OK Not OK

10. Electrical: Verify all connections, wiring, and conduit is secure and not damaged. OK Not OK

11. Generator: Inspect. OK Not OK

12. Coolant: Verify level is approximately midway in sight gage on coolant tank. If additional coolant is required, use only CAT- ELC (extended life coolant). Use of other coolant formulas will shorten the 6 year life of the CAT-ELC. OK Not

OK

13. Radiator: Inspect for dirt/contamination buildup. Verify no leaks. OK Not OK

14. Engine oil: Verify full on dipstick. If oil is required, use only SAE 15w-40 motor oil rated for diesel service. OK Not OK

15. Verify no abnormal noises/indications if system is operating. Operate engine for one hour minimum - if exercising genset. Annotate operating parameters in Daily Engine Log. OK Not OK

Comment

Close Work Order - 227318

Start Time:		StopTime:		Reason for Failure:	
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Job Cost (Labor/Material/Equipment)

Labor:						Material:		Equipment:	
Emp. ID	Reg. Hrs	Ovt. Hrs	Dbi. Hrs	Delay Code	Delay Time	Part ID	Qty	Equipment ID	Hrs

Date: _____

Date: _____

Inspected By

Supervisor Signature