

Date: 7/28/2023

Region: 4A
FAC ID: NY070

CSS No.: 93528
Maximo WO No.: 13004

Asset #: NA

Priority: Routine



Original Work Request:

Perform annual PM IAW manufacturers recommendation on back-up generator. Trouble shoot low coolant level alarm and refill coolant level if required. Back up generator is used to keep power on for the mechanical room sump pumps.

Description of Repairs Needed:

Labor and material to Check all spark plugs as applicable Check points as applicable Check distributor cap & rotor as applicable Check all ignition wires Check start solenoid terminals Check and adjust choke when applicable Change lube oil once annually Change lube oil filter once annually Tighten valve covers Fill governor sump with lube oil when applicable Lubricate governor linkage Check Air Intake Filter Service oil bath air cleaner when applicable Check entire unit for noticeable oil leaks Test coolant protection Test coolant alkalinity Check water hoses both upper and lower Check bypass hoses Check fan belts Check engine block heater for operation when applicable Check flexible section for cracks or leaks Drain condensation trap when applicable Change water filters Check exhaust flange gaskets Check exhaust muffler and drain when applicable Visually inspect entire exhaust system for leaks Change primary and secondary fuel filter (diesel only) Check injector fuel lines (diesel only) Check flex fuel sections Check fuel pump/governor Check fuel connections and tighten Check fuel solenoid Check day tank float Check regulator (gaseous only) Load test battery Check specific gravity of battery Check battery voltage, labor to replace during visit when necessary ** Clean battery cables, labor to replace during visit if necessary** Clean battery terminal on cables Clean battery posts and coat same Check fluid level and fill if required Check starter motor solenoid terminal Check starter motor Check charge rate on alternator or internal charge circuit Check alternator belt Check exciter Check voltage regulator Check rotating diodes Check rectifiers Check brushes Clean collector rings Clean carbon deposits Check SCRS Check control panel relays Check wiring and terminals Check solid state board connections Start generator and conduct safety shutdown tests for the following: 1) Low oil pressure 2) High water temperature 3) Overspeed 4) High air temperature (air-cooled sets only) Check voltage output Check frequency (Hz) Record hour meter reading when applicable Check unit for vibration and any unusual noises Inspect contact assembly and connections Check exerciser clock and time setting Check time delays Check battery charger for proper output Check selector switch Check voltage sensors for visual condition Start and stop generator from transfer switch Check field breaker is in the ON position Check that selector switch is in the AUTOMATIC position Start and stop generator using generator controls Start and stop generator using the switch controls Start and stop generator using exerciser clock Simulate power failure - Receive prior approval from supervisory personnel before performing this function

Labor:	Labor Hrs	Labor Rate	Total
Technician	5	\$ 70.00	\$ 350.00
			\$ -

Material List:	Quantity	Cost	Total
Parts (Lube, filter)	1	\$ 64.00	\$ 64.00
Trip Charge	1	\$ 50.00	\$ 50.00

Equipment List:	Quantity	Cost	Total
			\$ -
			\$ -
			\$ -

PM WO History:

NA

Estimate Summary:

Labor	Material	Equipment
\$350.00	\$114.00	\$0.00

Sub Total	G&A 12%	Fee 6%	Total Estimate
\$464.00	\$55.68	\$27.84	\$547.52



Date: July 25th 2023

Scheduled Preventative Maintenance Agreement (PMA)

Equipment Owner: Tidewater Inc.
Owner Address: 5835 Avenida Encinas, Suite 118, Carlsbad CA 92008
Proposal Number: 072823-AP
Package Type: Annual PM Generator-ATS
Effective Start Date: August 1, 2023
Proposal Validity: 30 Days

Scheduled Maintenance Program Definitions and SOW

Annually, this program provides maintenance on two levels:

MAJOR Service is an extensive maintenance, functional inspection, and testing visit.

MAJOR SERVICE Visit

MAJOR Service as indicated, all services will occur during standard business hours, at frequency indicated, unless both parties have agreed otherwise. This service includes the following:

IGNITION	Check all spark plugs as applicable Check points as applicable Check distributor cap & rotor as applicable Check all ignition wires Check start solenoid terminals Check and adjust choke when applicable
ENGINE	Change lube oil once annually Change lube oil filter once annually Tighten valve covers Fill governor sump with lube oil when applicable Lubricate governor linkage Check Air Intake Filter Service oil bath air cleaner when applicable Check entire unit for noticeable oil leaks
COOLING SYSTEM	Test coolant protection Test coolant alkalinity Check water hoses both upper and lower Check bypass hoses Check fan belts Check engine block heater for operation when applicable Change water filters
EXHAUST SYSTEM	Check flexible section for cracks or leaks Drain condensation trap when applicable





Check exhaust flange gaskets
Check exhaust muffler and drain when applicable
Visually inspect entire exhaust system for leaks

FUEL SYSTEM

Change primary and secondary fuel filter (diesel only)
Check injector fuel lines (diesel only)
Check flex fuel sections
Check fuel pump/governor
Check fuel connections and tighten
Check fuel solenoid
Check day tank float
Check regulator (gaseous only)

BATTERY

Load test battery
Check specific gravity of battery
Check battery voltage, labor to replace during visit when necessary **
Clean battery cables, labor to replace during visit if necessary**
Clean battery terminal on cables
Clean battery posts and coat same
Check fluid level and fill if required

STARTING SYSTEM

Check starter motor solenoid terminal
Check starter motor
Check charge rate on alternator or internal charge circuit
Check alternator belt

ELECTRICAL

Check exciter
Check voltage regulator
Check rotating diodes
Check rectifiers
Check brushes
Clean collector rings
Clean carbon deposits
Check SCRS
Check control panel relays
Check wiring and terminals
Check solid state board connections

OPERATIONAL CHECKS

Start generator and conduct safety shutdown tests for the following:
1) Low oil pressure
2) High water temperature
3) Overspeed
4) High air temperature (air-cooled sets only)
Check voltage output
Check frequency (Hz)
Record hour meter reading when applicable
Check unit for vibration and any unusual noises





AUTOMATIC SWITCH

Inspect contact assembly and connections
Check exerciser clock and time setting
Check time delays
Check battery charger for proper output
Check selector switch
Check voltage sensors for visual condition
Start and stop generator from transfer switch

FINAL CHECK

Check field breaker is in the **ON** position
Check that selector switch is in the **AUTOMATIC** position
Start and stop generator using generator controls
Start and stop generator using the switch controls
Start and stop generator using exerciser clock
Simulate power failure - Receive prior approval from supervisory personnel before performing this function

GENERAL INSPECTION OF SITE

Inspect site for any debris/infestations or obstructions which could cause a potential problem or may be hazardous to the operation or surrounding area.

IMPORTANT NOTES:

Any parts, lubricants, coolants, material and labor indicated in above PM descriptions will be charged to the generator set owner at time of service labor rates.

All maintenance inspections will be recorded on a work log which can be kept with the generator system. After each visit, a written report will be sent to the site contact or their designated representative advising our findings and any recommendations.

Emergency service or needed repairs between scheduled PM visits will be provided Monday through Friday during the regular business hours of 7:30 A.M. through 4:00 P.M. at the time of service labor rate including travel. If equipment access and related downtime must be conducted during maintenance windows of specific days and times, these needs must be communicated in advance, or pricing may be adjusted for off-hours time of service labor.

Emergency service required Monday through Friday other than our regular business hours of 7:30 A.M. through 4:00 P.M. or any time Saturday will be charged at our overtime rate (1 ½ x current labor rate) plus travel time and mileage charges.

Emergency service required on Sunday or Holidays will be charged at our premium rate (2x current labor rate) plus travel time.

Stark Tech LLC, Emergency Power System LLCs its officers, agents, employees, and servants are to be held harmless from all claims, suits, or actions of every name, kind, and description, brought for the failure to render services due to strikes, fire, flood, and causes beyond its control. This agreement defines the scope of services and equipment and no representation or statement not expressed herein shall be binding on Emergency Power Systems.





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The customer or equipment owner shall hold Emergency Power Systems harmless from any and all liability resulting in physical damage, personal injury, property damage or any other losses due to equipment or system failure and/or operation.

The terms and conditions herein shall prevail notwithstanding any variance with the terms and conditions of any order submitted by the customer with respect to maintenance service.

- **Major Service Parts includes:** All oil, filters, fuel filters, spark plugs, coolant filters when/where applicable. To reduce the primary cause of unexpected no start conditions, Generator starting battery(ies) are automatically replaced every 3 years in compliance with OEM and NFPA110 requirements at an additional charge using the current preferred pricing levels.
- **Minor Service:** up to 1 gallon of 50/50 coolant, and one gallon of oil is allowed as needed for top off's. Additional materials required will be, upon authorization will be invoiced appropriately.
- **Note:** All prices quoted do not include any Federal State or local taxes, which must be added if applicable.
- **Needed repairs diagnosed during services will be quoted and/or billed separately.**
- **Diesel powered units:** Per NFPA110, your generator may be mandated for load bank testing to remain in compliance. If not mandated, customers may desire to perform this test. However, this will be quoted at the time of need and is not included in this agreement.

The total price below is detailed on a per unit basis unless otherwise indicated. This agreement shall be at the completion of service performed invoiced on an annual prepaid basis. This agreement shall auto-renew each year unless client provides 30 days written notice, to terminate. The agreement shall renew each year based on the consumer price index (CPI) such that the current pricing provided does not exceed an annual increase above 5% from the previous annual term. Pricing is subject to change upon annual renewal of this agreement. If pricing reflects an annual increase above 5% year over year a new agreement will be provided requiring client acceptance and authorization. Multi-year pricing and terms are available upon request. **If there are any implied or required compliance fees as a cost to Stark Tech, or owner requiring 3rd party compliance or invoicing platforms with annual or document processing fees, such fees will be passed on at vendor(s) cost plus 10% markup and invoiced separately.**

Note: In order to allow safe and clear access to the equipment, removal of snow, overgrowth, rodent/insect infestations, etc. is the responsibility of the owner. Any additional scope of service or emergency service calls beyond the specified scheduled maintenance visits detailed herein will be charged on a time and material basis, plus a mobilization fee. By signing below, you are indicating that you have reviewed and agreed to the "SCHEDULED MAINTENANCE PROGRAM DEFINITIONS".

Total Equipment and Pricing Summary





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Equipment	Manufacturer	Site Location	Major PM Qty	Minor PM Qty	Other Services	Annual Price
		Serial Number				
Generator & ATS	24kw Kohler	515 Ridge Rd – Webster NY	1	N/A	N/A	\$ 464.00

PM Pricing Breakdowns:

Labor: \$ 350.00

Parts: \$ 64.00

Trip Charge: \$ 50.00

Annual Service Schedule: Annual Package

Major service(s) occurs in August each calendar year.

Stark Tech/EPS REP: Aaron Pfeiffer

DATE: July 28, 2023

Return PMA To: pfeiffera@starktech.com

Customer Acceptance (sign)	
Name (print)	Karlee Demain
Title	
Date of Acceptance	
Purchase Order # (if applicable)	
Billing Contact (name)	Karlee Demain
Billing Contact (phone)	M: 724-678-6067
Billing Contact (email)	Karlee.demain@tideh2o.net
Site Scheduling Contact (name)	Karlee Demain
Site Scheduling Contact (phone)	M: 724-678-6067
Site Scheduling Contact (email)	Karlee.demain@tideh2o.net

