

MAINTENANCE SCHEDULE

System	Check Item	Daily	50	250	500	1000	1500	2000
Grease/Lube	Grease PTO anti-rotating shields	x						
	Grease and lubricate axles and PTO bearings		x					
	Grease fan motor (1 pump) (DO NOT OVER GREASE)			x				
	Grease brake cam supports				x			
	Grease brake levers				x			
	Grease steering rod joints				x			
	Grease steering hinges				x			
Generator	Check engine coolant and oil levels	x						
	Check indicators	x						
	Check and adjust governor lever and engine speed control	x(1st)		x				
	Check water separator	x						
	Clean generator and engine with compressed air	x						
	Check/Adjust cooling fan v-belt		x(1st)	x				
	Check battery and recharge		x					
	Change oil and oil filter		x(1st)	x				
	Drain water separator		x					
	Clean radiator fins		x					
	Clean/Replace inner and outer air filters		x					
	Drain fuel tank			x				
	Clean water separator				x			
	Replace fuel filter				x			
	Flush and replace coolant					x		
	Adjust intake / exhaust valve clearance					x		
	Inspect, clean and test fuel injection nozzle, if necessary							x
Inspect crankcase breather system							x	
Replace fuel hoses and coolant hoses								x

System	Check Item	Daily	50	250	500	1000	1500	2000
Boiler/Burner	Clean supply water filter	x						
	Drain 30-40 gallons of water from boiler	x						
	Purge hot water through the "Y" strainer for 2-3 seconds	x						
	Remove crop debris from enclosed areas	x						
	Purge steam through baler hardware nozzles to clear debris	x						
	Inspect gauges, sensors, and sight glasses	x						
	Clean igniter assembly		x					
	Clean flame detector lens		x					
	Clean inside the burner blast tube area		x					
	Purge steam through top front pigtail valves to clear the steam pressure sensor paths		x					
	Replace burner fuel filter (Napa 4006)				x			
	Remove and clean burner gun nozzles				x			
	Remove and clean the "Y" strainer filter				x			
	Clean low water 1 & 2 probes and boiler water level sensor				x			
	Perform Boiler Safety Test				x			
	Clean boiler flue tubes (top and bottom) (as needed)					x		
	Inspect boiler rear door insulation					x		
Inspect boiler front smoke turnbox insulation					x			
Frame/Axles	Check torque on wheel nuts	x(1st)			x			
	Check/Adjust steering hinge gap	x(1st)					x	
	Rotate tires (front to rear)			x				
	Check/Adjust wheel bearing gap			x(1st)			x	
	Check brake gasket				x			
	Check/Adjust brake lever stroke				x			
	Check torque on shock absorber end screw (????ft pounds)						x	
	Check torque on steering control cylinder fastening screw						x	
	Check torque on brake cylinder support screw						x	
	Check torque on steering rod end screw						x	
	Check/Adjust steering angle						x	

CHECKLISTS

DAILY

PRE-OPERATION

- Grease PTO anti-rotating shields
- Check engine coolant and oil levels
- Check water separator
- Clean supply water filter
- Drain 30-40 gallons of water from boiler
- Inspect gauges, sensors and sight glasses

POST-OPERATION

- Clean generator and engine with compressed air
- Purge hot water through the “Y” strainer for 2-3 seconds
- Remove crop debris from enclosed areas
- Purge steam through baler hardware nozzles to clear debris

1st Operation

- Wheel nut torque check (1st time then every 500 hours)
- Steering hing gap check/adjustments (1st time then every 1500 hours)
- Check/Adjust engine speed so that frequency is 61-62.5hz (1st time then every 250 hours)

EVERY 50 HOURS

- Grease and lubricate axles and PTO bearings
- Check battery and recharge
- Drain water separator
- Clean radiator fins
- Clean/Replace inner and outer air filters
- Clean igniter assembly
- Clean flame detector lens
- Clean inside the burner blast tube area
- Purge steam through top front pigtail valves to clear the steam pressure sensor paths

1st 50 hour maintenance

- Check/Adjust cooling fan v-belt (1st time then every 250 hours)
- Change oil and oil filter (1st time then every 250 hours)

CHECKLISTS

EVERY 250 HOURS / YEARLY

- Perform 50 hour maintenance
- Grease fan motor (1 pump) (DO NOT OVER GREASE)
- Check/Adjust engine speed so that frequency is 61-62.5hz
- Check/Adjust cooling fan v-belt
- Change oil and oil filter
- Drain fuel tank
- Replace burner fuel filter (Napa 4006)
- Remove and clean burner gun nozzles
- Remove and clean "Y" strainer filter
- Clean low water 1 & 2 probes and boiler water level sensor
- Boiler Safety Test
- Rotate tires (front to rear)

1st 250 hour maintenance

- Check/Adjust wheel bearing gap (1st time then every 1500 hours)

EVERY 500 HOURS

- Perform 50 hour maintenance
- Perform 250 hour maintenance
- Grease brake cam supports
- Grease brake levers
- Grease steering rod joints
- Grease steering hinges
- Clean water separator
- Replace fuel filter on Generator
- Clean boiler flue tubes (top and bottom) (as needed)
- Inspect boiler rear door insulation
- Inspect boiler front smoke turnbox insulation
- Check torque on wheel nuts
- Check brake gasket
- Check/Adjust brake lever stroke

CHECKLISTS

EVERY 1000 HOURS

- Perform 50 hour maintenance
- Perform 250 hour maintenance
- Perform 500 hour maintenance
- Flush and replace coolant
- Adjust intake / exhaust valve Clearance

EVERY 2000 HOURS

- Perform 50 hour maintenance
- Perform 250 hour maintenance
- Perform 500 hour maintenance
- Perform 1000 hour maintenance
- Replace fuel hoses and coolant hoses

EVERY 1500 HOURS

- Perform 50 hour maintenance
- Perform 250 hour maintenance
- Perform 500 hour maintenance
- Inspect, clean and test fuel injection nozzle, if necessary
- Inspect crankcase breather system
- Check/Adjust steering hinge gap
- Check/Adjust wheel bearing gap
- Check torque on shock absorber end screw
- Check torque on steering control cylinder fastening screw
- Check torque on brake cylinder support screw
- Check torque on steering rod end screw
- Check/Adjust steering angle