

PE13-017

SUTPHEN

7-25-2013

ENCLOSURE

REQUEST 10

DPS Report Sect 3



ALL OUT.™

TAG 434



WARNING

Keep legs and feet inside kick guard during aerial operations. Failure to do so may result in serious injury or death.

POWER SOURCE SPECIFICATIONS	
OPERATIONAL CATEGORY	CONTINUOUS DUTY RATING
RATED VOLTAGE(S) AND TYPE (AC OR DC)	XXXXXX
PHASE	XXXXXX
RATED FREQUENCY	XXXXXX
RATED AMPERAGE	XXXXXX
CONTINUOUS RATED WATTS	XXXXXX
POWER SOURCE ENGINE SPEED	XXXXXX

TAG 433.

TAG 432



FLUID DATA

Sutphen Corporation
7000 Columbus-Marysville Road
Amlin, OH 43022
(800) 848-5860

	QTY.	TYPE		QTY.	TYPE
CHASSIS ENGINE OIL			CAB TILT MECH. FLUID		
CHASSIS ENGINE COOLANT			TRANSFER CASE FLUID / AUTO LUBE		
CHASSIS TRANSMISSION FLUID			EQUIPMENT RACK FLUID		
PUMP TRANSMISSION FLUID			GENERATOR SYSTEM LUBRICANT		
PUMP PRIMER FLUID			AERIAL TOWER HYDRAULIC FLUID		
DRIVE AXLE LUBRICATION FLUID			LEVELING SYSTEM FLUID		
AIR-CONDITIONING REFRIGERANT FLUID			FUEL TANK DIESEL NO. 2		
AIR-COND. LUBRICAT OIL SYS. LUBRICANT			FRONT TIRE COLD PSI		
POWER STEERING FLUID			REAR TIRE COLD PSI		
MONTH-YEAR BUILT			DATE SHIPPED		
VEHICLE IDENTIFICATION NO.				HS-	

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Operator Manual

TAG 441

UP Front Axle Lock DOWN	RET Right Front Stabilizer EXT	RET Left Front Stabilizer EXT	UP Right Stabilizer DOWN	UP Left Stabilizer DOWN	UP Rear Stabilizer DOWN
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TAG 442

WARNING	WARNING	WARNING
Maximum lifting eye capacity of 800 lbs.	Static load only. No rappelling from platform.	Any weight suspended from lifting eye must be subtracted from available platform payload.

TAG 446

SAFETY INSTRUCTIONS
1. Lifting eye capacity - 800 lbs.
2. Any weight suspended from eye must be subtracted from platform capacity.

Sutphen-20



ALL OUT.

TAG 447

SAFETY INSTRUCTIONS

1. Stokes arm capacity - 250 lbs.
2. Max. of 500 lbs. in platform when using Stokes Arms.

TAG 448

**WHEN DIFFERENTIAL LOCK
IS ENGAGED, THE
MAXIMUM SPEED IS
25 MPH**

TAG 449

CAUTION

When filling water tank, do not
exceed 100 psi. Failure to do so
could cause the tank to rupture.

TAG 454

WARNING

Do Not Exceed
Wattage Rating
of Generator.
Generator may be
Permanently
Damaged
and Void Warranty.

TAG 452

**GEN.
PTO**

TAG 455

**Ladder Belt
Tie-Off Point**

Not For
Rescue or
Rappelling
250lb. Max.

Sutphen-21

Operator Manual

Warning/Danger/Caution Labels List

TAG 10	ALIGNMENT LIGHT
TAG 15	DO NOT MODIFY
TAG 16	DO NOT GET OIL IN EYES
TAG 17	STAND ON STEP - ELECTROCUTION
TAG 18	PINCH POINT
TAG 19	CRUSHING INJURY
TAG 20	ELECTROCUTION HAZARD
TAG 21	LIFTING EYE
TAG 22	DO NOT CLIMB BOOM
TAG 23	AERIAL DATA PLACARD
TAG 36	FIRE MAY OCCUR
TAG 38	BREATHING OF FUMES
TAG 38-1 HORZ.	BREATHING OF FUMES
TAG 55	JUMP STARTING PRECAUTIONS
TAG 56	EXPLOSION MAY OCCUR - BATTERIES
TAG 57	OCCUPANTS MUST BE SEATED
TAG 58	DO NOT USE AUXILIARY BRAKING
TAG 59	STAY CLEAR OF FAN
TAG 66	STAND CLEAR OF OUTRIGGER
TAG 281	TIRE CHAIN OPERATION
TAG 310	COMPUTER CODE SWITCH
TAG 322	STAND CLEAR - LOWERING CAB
TAG 323	BEFORE RAISING CAB
TAG 324	CAB TILT UP & DOWN
TAG 325	CAB TILT SAFETY LATCH
TAG 326	DO NOT RAPPEL FROM AERIAL
TAG 327	LEVELING SYSTEM OVERRIDE
TAG 328	FALL HAZARD
TAG 353	SUTPHEN - TEAMSTER LOGO
TAG 365	CARRY MAX. PERSONNEL
TAG 368	TO ENGAGE PTO
TAG 370	EQUIPMENT MOUNTED
TAG 375	SET REAR JACKS
TAG 381	ABS CODE SWITCH
TAG 385	POSITIVE/NEGATIVE
TAG 395	FLOW OR RECIRCULATE



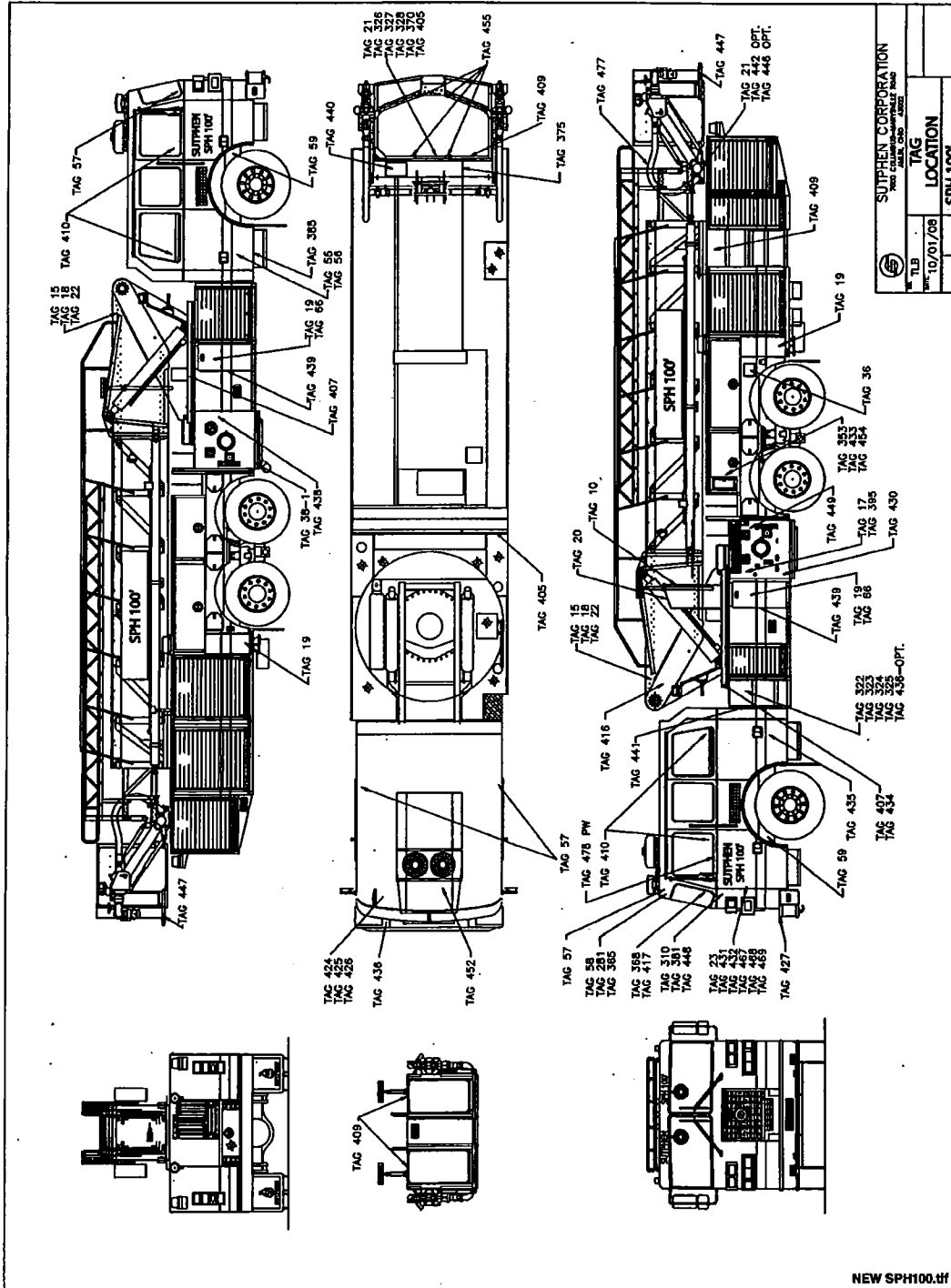
ALL OUT.

Warning/Danger/Caution Labels List - Continued

TAG 405	ELECTROCUTION HAZARD
TAG 407	PEDESTAL AREA
TAG 408	LOCK - DOWN
TAG 409	EXITING BUCKET
TAG 410	EXITING CAB
TAG 416	SAFETY CHAIN FASTENED
TAG 417	ENGAGE GENERATOR
TAG 424	AIR HORN
TAG 425	ELECTRIC SIREN
TAG 426	MECHANICAL SIREN
TAG 427	DO NOT WALK ON SURFACE
TAG 430	PUMP DATA PLACARD
TAG 431	CHASSIS DATA PLACARD
TAG 432	FLUID DATA PLACARD
TAG 433	POWER SOURCE SPECS.
TAG 434	KEEP FEET INSIDE KICK GUARD
TAG 435	KUSSMAL AUTO-PUMP DRAIN
TAG 436	FRONT SUCTION - RAISING CAB
TAG 438	WATERWAY VALVE OVERRIDE
TAG 439	INSTALL SAFETY PIN (VERTICAL)
TAG 440	EQUIPMENT LIMITS - 5 LB. (BUCKET)
TAG 441	MANUAL OVERRIDE OUTRIGGER CONTROLS (SPH)
TAG 442	BUCKET STATIC LOAD
TAG 443	PUMP DATA PLACARD (METRIC)
TAG 444	TIRE PRESSURE FR. 120 R. 95
TAG 445	TIRE PRESSURE FR. 120 R. 110
TAG 446	LIFTING EYE CAPACITY 800 LB.
TAG 447	STOKES ARM CAPACITY 250 LB.
TAG 448	DIFFERENTIAL LOCK ENGAGEMENT
TAG 449	WATER TANK REFILL
TAG 450	PRESS. GOV. RPM MODE
TAG 451	HYDR. COMPT. JACK CONTROL 95/100
TAG 452	GENERATOR PTO
TAG 453	TIRE PRESSURE (AERIAL)
TAG 454	GENERATOR
TAG 455	LADDER BELT TIE-OFF POINT

Operator Manual

Safety Tags Location





ALL OUT.

1.4 Cab Setup Procedures

Locating the Vehicle

1. Spot the rig about 30 to 35 feet from the building when possible. This will give you maximum vertical coverage of the building.
2. Set the parking brake.
3. Place the transmission in neutral.
4. Make sure apparatus is on firm pavement, and that it is clear of overhead obstacles, such as poles, wires, building overhang, etc.
5. Make sure that the outriggers or rear jacks are not going to sit upon manhole covers, drains, or grates in the street or on sidewalks.
6. Good judgement must be used in locating the apparatus at the fire scene. Ideal conditions may not always exist, so caution must be used to determine as safe a location as possible for the apparatus.

Activating the Hydraulic System

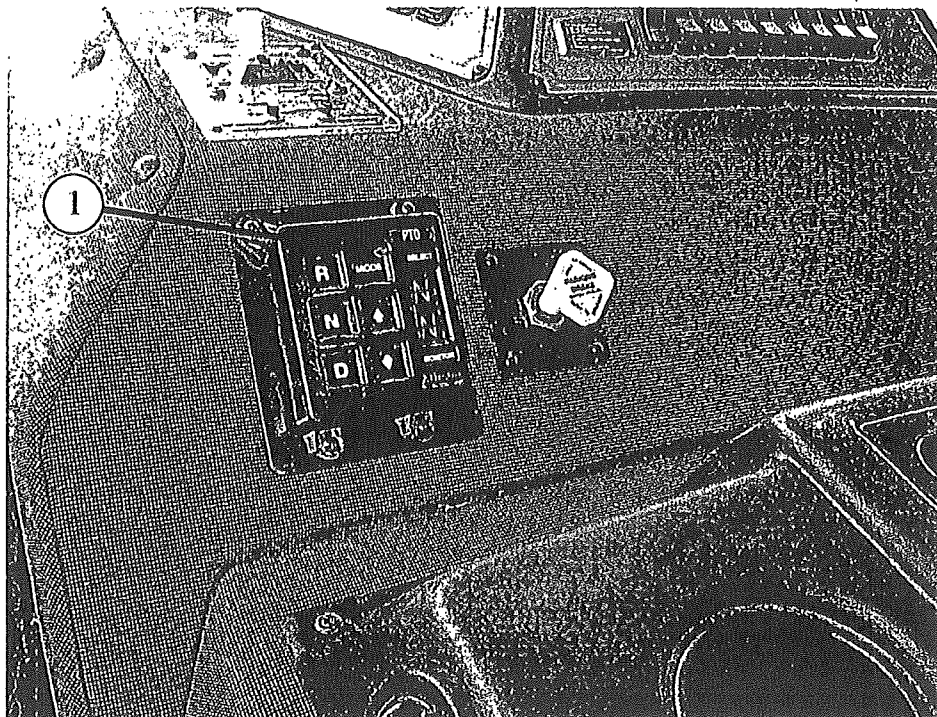
There is a PTO which operates the hydraulic pump, providing hydraulic pressure to the system.

1. Engine must be at idle RPM.
2. Be sure there is at least 90 lbs of air pressure on truck air system.
3. Truck must be at complete stop, parking brake set, and transmission in neutral (N).
4. Flip rocker switch for Aerial PTO. A pilot light (1) will come on when the PTO is engaged.

The cab controls are now set to operate the hydraulic system.

▼ **Operator Manual**

If not using the fire pump, or if your vehicle does not have a fire pump, proceed to **AERIAL TOWER SETUP** found later in these instructions.



Mode Button and Pilot Light (1) for Generator PTO

1.5 Cab Setup for Fire Pump Operation

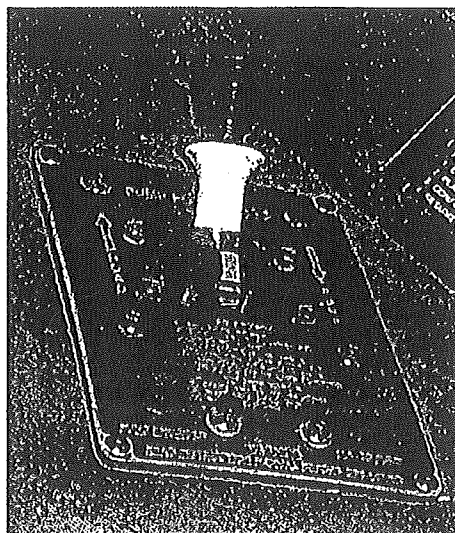
NOTE: See Fire Pump Manual for more detailed information.

1. Truck must be stopped and parking brake set.
2. Truck transmission must be in neutral (N) position.
3. Engine must be at idle RPM.



ALL OUT.

4. Move the pump shift lever from ROAD position to PUMP position. This is done by raising the yellow locking collar and pulling back on the lever. Notice the green PUMP ENGAGEMENT light will come on. Pause in the middle to let air exhaust in between shifting.



Pump Shift Lever

5. (Only if the pump is wet)
Shift transmission to drive (D) (1-4) position. Power from the engine is now being transferred to the pump drive gear and pump impellers are turning. Observe the second illuminated green OK TO PUMP indicator light next to the shift lever. The lock-up for the automatic transmission will be engaged when the transmission is shifted into drive (D). The pump shift lever will hold the transmission in the pumping gear position.

If the light is not on, the pump is not engaged. Repeat steps 1-5 and observe for pump engagement.

6. To have the pump ready for operation later, leave transmission selector in neutral (N). For pump operation, simply put transmission selector in drive (D) (1-4).

▼ **Operator Manual**

NOTE: Upon arrival at a structure fire or other incident where the tower is not immediately needed, but the fire pump is being used, it is a good practice to place the PTO in gear before placing the fire pump in gear. Should a need to use the tower arise, and the fire pump is being used, the stabilizers can be set, and the tower is then ready for immediate use. If the PTO was not engaged before the pump was set up, it would be necessary to slow the engine to an idle to engage the PTO, jeopardizing fire fighting operations.

1.6 Aerial Setup Procedures

Your Sutphen Aerial Platform has been designed to work in out-of-level conditions up to 5 degrees side-to-side and 20 degrees front-to-rear. You can work in high winds up to 50 mph. The aerial can shed ice buildup caused by freezing rain or nozzle spray.

1.7 Stabilizing System

This system consists of eight double-acting hydraulic cylinders. Two of the cylinders permit the extension of the main outriggers to be located in such a manner as to allow for curbs or chuckholes or operating in alleys or narrow locations between other vehicles. All cylinders are provided with double pilot-operated check valves to ensure constant holding position of any outrigger after it has been set in position. The main stabilizers (outriggers) are provided with large steel feet that swivel to allow them to adjust to the contour of the ground surface. Auxiliary ground jack pads are provided for the outriggers and should be used every time the tower is set up. A front jack system is provided on all models.



DANGER

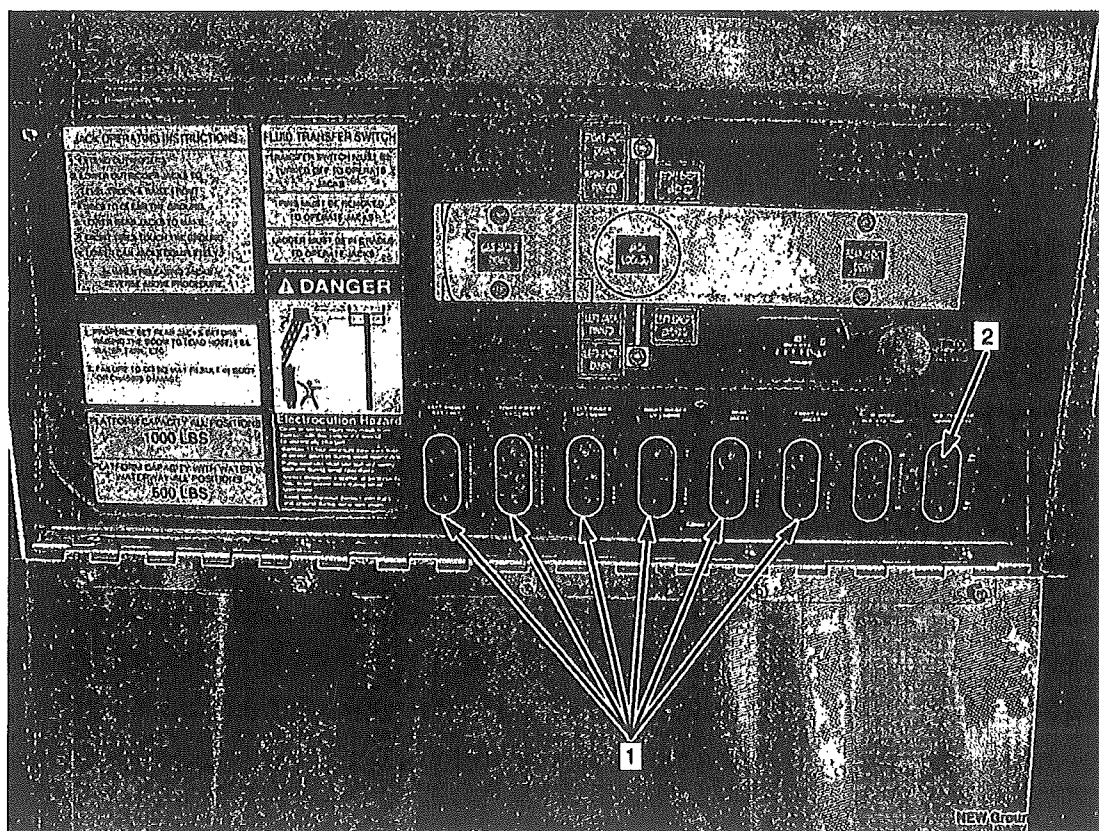
Always set up the apparatus on concrete, blacktop, or gravel. Surface must be firm and solid. Soil/ground surfaces are not desirable, as the outrigger may sink into the ground causing a tipover. Soil surfaces that seem stable upon setup may erode with fire scene runoff water, thus making them unstable. Asphalt parking lot surfaces are typically thin and in hot weather may allow the outrigger to sink through, especially if the subsurface material is sand.



ALL OUT.

Ground Jack Controls

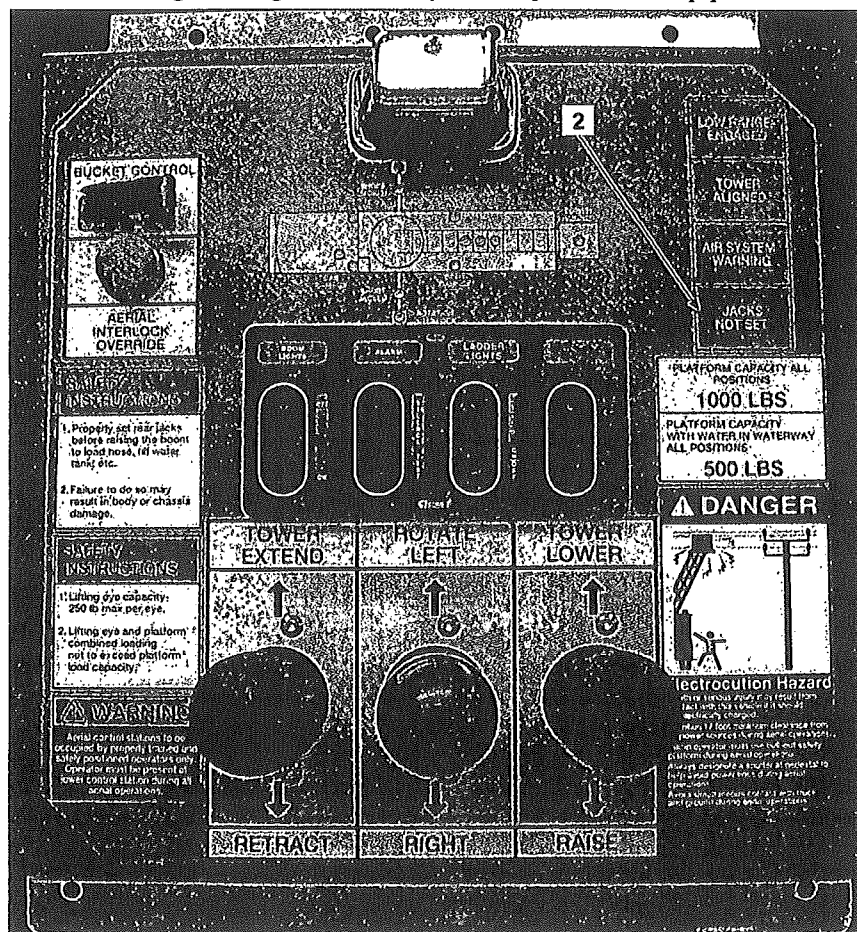
1. Move to the ground jack controls, located in the compartment directly behind the cab on the driver's side of the truck.
2. There are six switches (1) for the hydraulic control valves to operate the outriggers/jacks.
3. Look at the level indicator located on the rear of the cab to see how far out-of-level the apparatus is.
4. There is a switch labeled HYD. TRANSFER - OFF (2) for jack operation and ON for aerial operations.



Ground Jack Controls

Operator Manual

5. Making sure all is clear, extend the left-hand outriggers to the maximum extension. As the outriggers start out, a warning alarm will sound and the JACKS NOT SET (2) text box on the turntable pedestal will illuminate. This indicates that the jack system is not properly deployed but will silence, and the text box light will go out, when you complete the setup procedure.

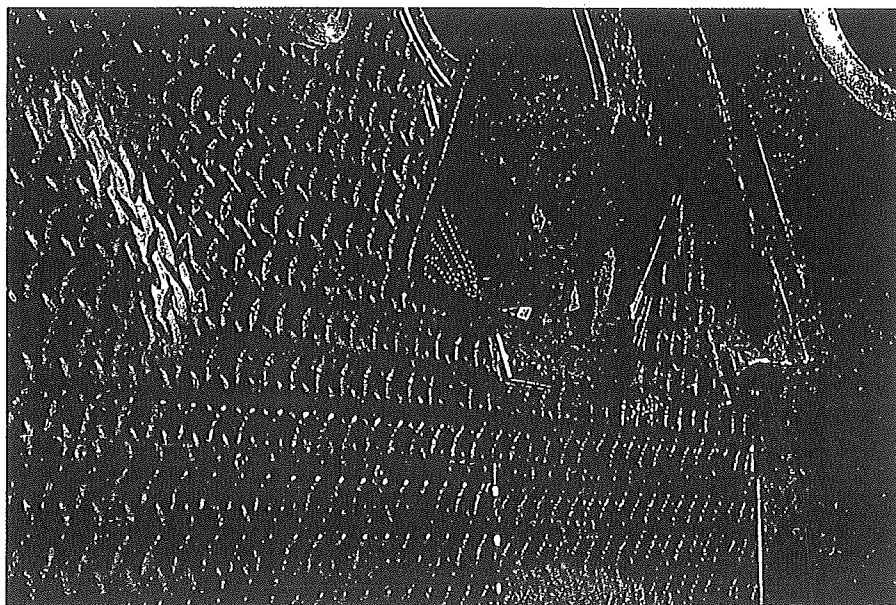


Pedestal Control Panel



ALL OUT.

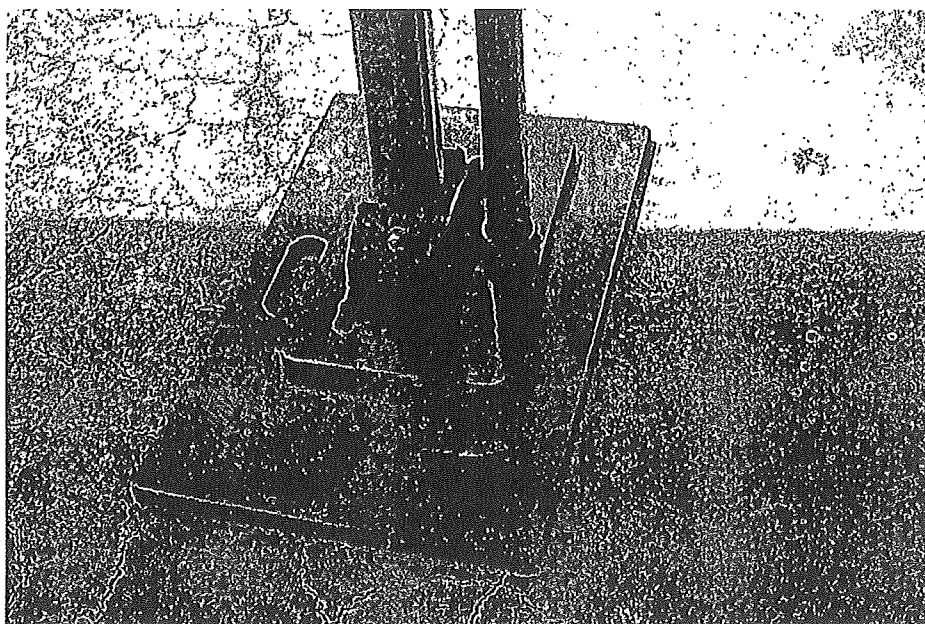
6. Making sure all is clear, extend the right-hand outrigger to the maximum extension, observing the area through the large mirror provided on the rear of the cab. Although one person can perform this operation, it is safer and quicker to have someone else on the right side of the apparatus.



View of Right Outrigger in Mirror

▼ **Operator Manual**

7. Remove the auxiliary ground pads from their carriers under the front compartments and place them directly under each outrigger foot.



Auxiliary Pad Under Outrigger



DANGER

Auxiliary ground pads must be placed under outrigger feet at all times. Failure to do so could result in a tipover causing serious injury or death and/or damage to the vehicle. Never put wood or plastic jack pads down for rear jacks; use only metal for grounding.

8. Lower the left outrigger until it touches the auxiliary ground pad.
9. Lower the right outrigger until it touches the auxiliary ground pads. View from mirror or spotter.
10. Level the truck from side-to-side, if necessary, to work in a range of 5 degrees out of level as indicated by the green area on the level indicator on the rear of the cab. As long as the level is in the green area, you are allowed to operate.
11. Push and hold both left and right outrigger down switches simultaneously to raise the front of the truck until the front tires clear the ground one inch.
12. Lower the rear jacks so that the tires on the front axle just touch the ground.



ALL OUT.

NOTE: At this point, the front tires should have come down to where they are just touching the ground.

If working on a surface that is not level in the longitudinal axis of the truck, use the outriggers and the rear jacks to level the truck as much as possible.

NOTE: The above setup procedures are for ideal conditions on flat, level surfaces. If the truck is headed uphill, the front tires will be pressed farther into the pavement and if setup is headed downhill, the front tires may be off the ground.

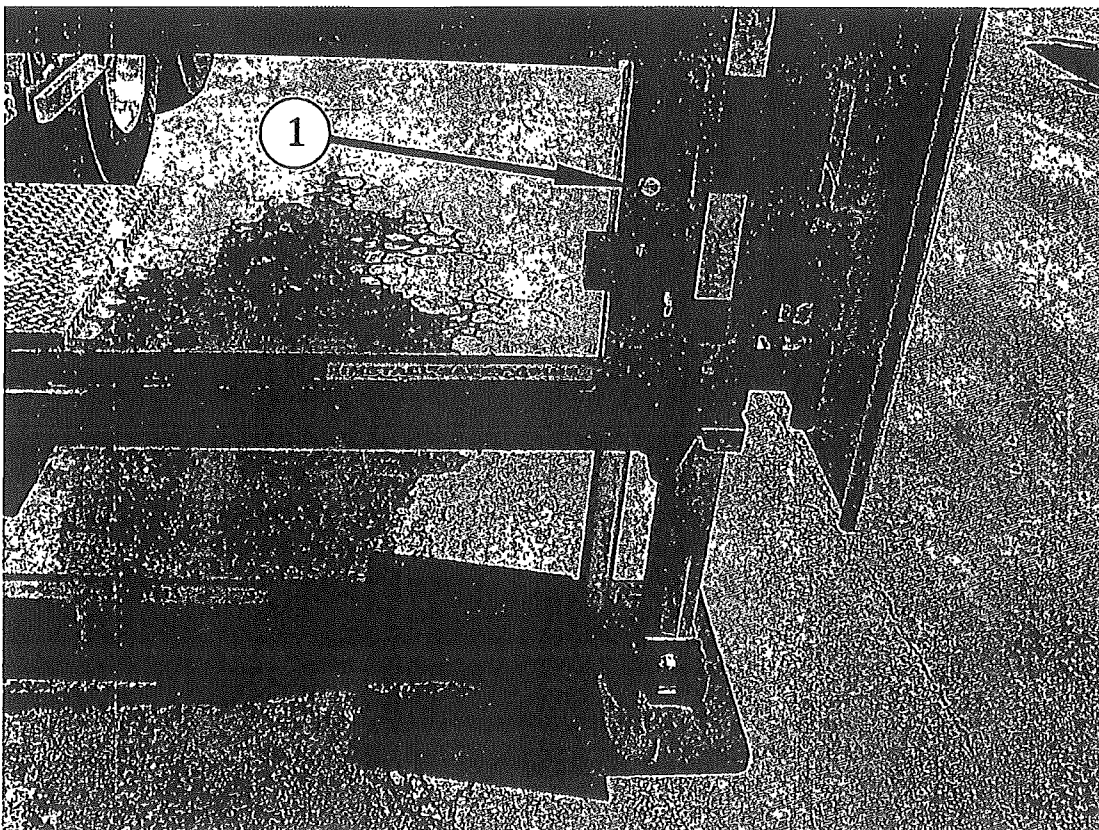
13. Your apparatus is equipped with cab (axle) jacks, which are two cylinders mounted to the chassis frame in the front wheelwell that push against the front axle. Push the front jack switch to fully extend them, which will isolate the front suspension.

Operator Manual

1.8 Safety Pins

Install the pins only after the apparatus has been completely set up properly. The operator and his/her assistant are to show the pins to each other in the mirror before installing them.

Place the outrigger safety pins (1) in the lowest possible hole in the outrigger jack frames. The pins must be installed per instructions, as this completes the interlock system and allows power to be transferred to the upper controls.

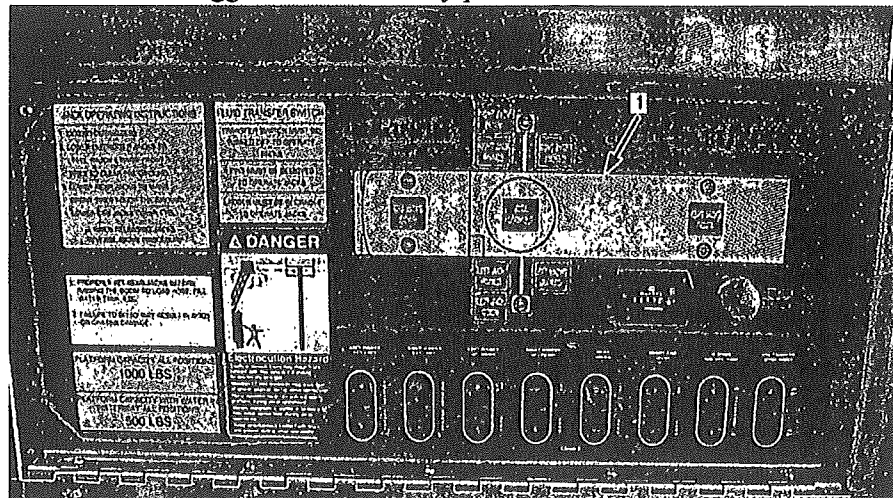


Installed Safety Pin



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If the safety pin hole is near (1/2" or less) to the safety bar, go up to next higher hole. This will avoid having the pin pinched by cylinder creep that will later not allow you to remove pin when taking down the truck. If it does happen, you must use manual controls under the rear of the cab to operate the jacks. At this point, lower the outriggers until the safety pin is free and remove it.



Stabilizer Interlock Display Graphic (1)



DANGER

Always install safety pins on stabilizers. This will guard against a cylinder collapse caused by an internal leak, such as a damaged piston seal.

NOTE: Once the setup is complete, the warning alarm will automatically silence. The Interlock Display Graphic has individual indicators (LEDs) to show when the individual jack is down. When the jack pair is down (Left and Right, both Rear or both Cab Jacks) the appropriate text box will be on. The Left and Right Jack Pinned text box will be on indicating the individual jack is pinned.

At the pedestal, the JACKS NOT SET text box will go out once the setup is complete (the jacks are fully deployed and pinned).

▽ **Operator Manual**

1.9 Transfer Fluid for Aerial Operation

Push the HYD. TRANSFER switch to transfer the hydraulic fluid to the aerial controls. Fluid is now being pumped to the aerial controls on the turntable and the Jack Lockout text box on the Ground Jack Control panel will be lit indicating the fluid has been transferred.

Activate electrical power to the turntable pedestal by turning the UPPER POWER switch on the Ground Jack Control panel to the ON position.

SAFETY TIP: This switch may be used to disable the platform controls should someone on the ground observe an impending danger to those in the platform that they may not be aware of.

NOTE: This will also shut off power to the intercom system and the platform leveling system. For this reason, it is preferred to use the BUCKET CONTROL POWER switch on the pedestal, which only shuts off power to the platform controls.

With all outriggers and ground jacks properly set as described here, your aerial is designed to operate at its maximum height and horizontal reach with its rated payload without danger of harming personnel or equipment. Precaution must be taken to ensure that the aerial is operated so it does not strike the cab or any other portion of the apparatus during any operation. Water stream reactions may have some affect on certain functions of the tower. This is detailed under Waterway and Nozzles. Power lines should always be observed and avoided at all times.



DANGER

*When operating near power lines, pump operator must stand on the operator's step at all times during tower operation to help prevent operator from becoming the ground in the event tower comes in contact with power lines. Failure to do so could result in **SERIOUS INJURY OR DEATH**.*

Place wheel chocks in front of and behind the front tandem. Place the chock at the outside tires.



CAUTION

Always remove the chocks before releasing any of the ground jacks. Failure to do so may result in wedging the chock block so tightly against the tire tread that it cannot be removed.



ALL OUT.

1.10 Stabilizer Interlock System

This stabilizer interlock system is a series of position sensors that are specifically designed to ensure safe and proper set up of the apparatus for aerial operation.

When the outriggers begin to extend, a warning alarm sounds and the JACKS NOT SET box on the pedestal operator panel lights. This indicates that the jack system is not properly set up or properly stowed. The alarm will silence and the JACKS NOT SET will go out when the jack system is properly set up or properly stowed.

When the ground jacks are set up according to the instruction previously found in this manual, one pair of sensors closes when the stabilizers are fully extended and one pair of sensors closes when the outrigger jacks have the safety pins installed.

The closing of these switches produces a signal which allows the aerial to be operated. The initial movement of the aerial from the cradled position locks the fluid transfer so that it cannot be operated again until the aerial is returned to the cradled or stowed position and both safety pins have been removed.

Stabilizer Interlock Override Procedure

Located on the right side of the Ground Jack Control panel and on top of the turntable pedestal are the stabilizer interlock override buttons. They are to be used only in extreme situations where one or both outriggers cannot be fully extended on the side opposite the side you are wanting to operate on. These buttons should be only used by personnel fully trained in the operation of the vehicle. This includes understanding the danger of an overturned vehicle caused by working over an unextended outrigger.

By simultaneously depressing the buttons, you can raise the aerial from the bed of the truck. After the aerial has cleared the bed, you may let go of the override buttons and the tower will continue to operate. Notice that when the aerial clears the bed, the audible alarm stops, but JACKS NOT SET text box remains on, reminding you that the truck is not set up properly.

After the tower is in operation, great concern shall be given to the position of the tower and shall never be rotated past the longitudinal centerline of the truck towards the "short jacked" side. The short jacked side of the truck should have the outrigger run out as far as possible and have the pad down and pin in.

1.11 Rotation Interlock System

The rotation interlock system will allow the aerial to operate with only one outrigger fully extended on one side and the other side only partially extended. This condition is known as short jacking. This configuration may be required when operating in very narrow areas.

Both outriggers must be lowered properly and the safety pins must be installed properly for the aerial to operate.

In operation, the boom is permitted full unobstructed operation on the side of the fully extended outrigger. Operation is not permitted past the centerline of the truck towards the short jacked side of the truck.

When operating over the properly jacked side of the truck, and you rotate near the longitudinal centerline of the truck, the rotation interlock system will activate audible and visual alarms and put the aerial controls into CREEP MODE. As movement continues, the rotation will stop preventing movement over the short jacked side.

Movement will be allowed back towards the properly jacked side.

If, for some reason, the boom has drifted to the short jacked side of the truck, the controls will allow you to rotate back towards the centerline of the truck in whichever direction is closest.



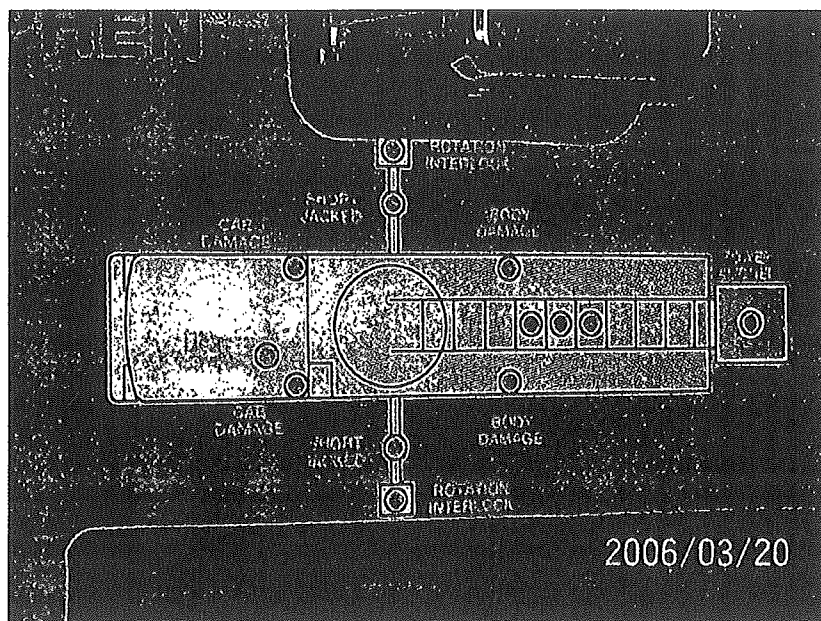
ALL OUT.

1.12 Smart Boom Warning System

This system will warn you both audibly and visually of impending contact with either the cab or the body of the truck. It will not stop movement of the boom!

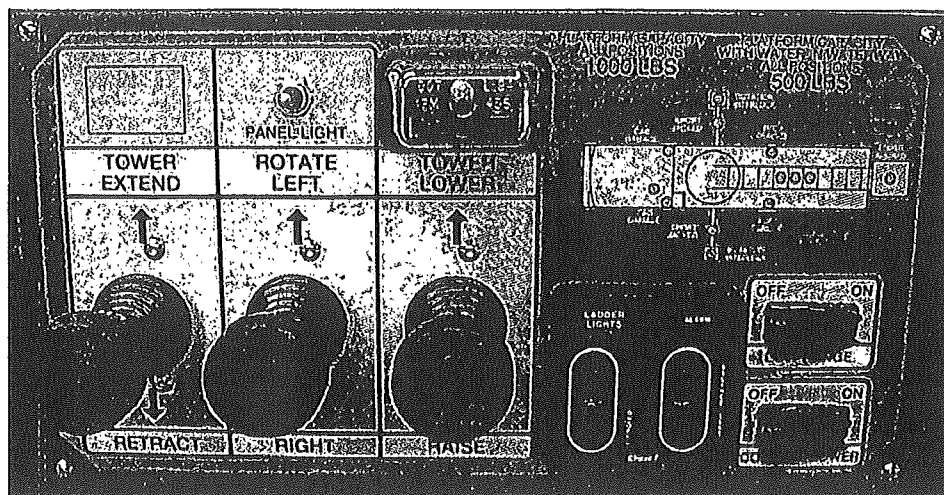
The system consists of sensors underneath the turntable that determine the radial location of the aerial and adjustable sensors on the left turntable side plate that determine the elevation of the aerial.

Located at the turntable pedestal and in the platform are graphic displays for the SMART BOOM WARNING SYSTEM and the ROTATION INTERLOCK SYSTEM. They provide visual indications of the current status of aerial operations.



**Pedestal Display Panel of Smart Boom Warning System
and Rotation Interlock System**

Operator Manual



Bucket Control Panel

In operation, if the boom is positioned above the cab or body and is lowered to a point that the SMART BOOM WARNING SYSTEM is activated, the aerial controls will be put into a slow motion CREEP MODE and visual and audible alarms will be activated. The aerial controls will remain in CREEP MODE as long as the boom is inside the CONTACT ZONE.

If the boom is in a low elevation over one of the outriggers and is rotated toward the cab or body, the SMART BOOM WARNING SYSTEM will be activated when in close proximity.

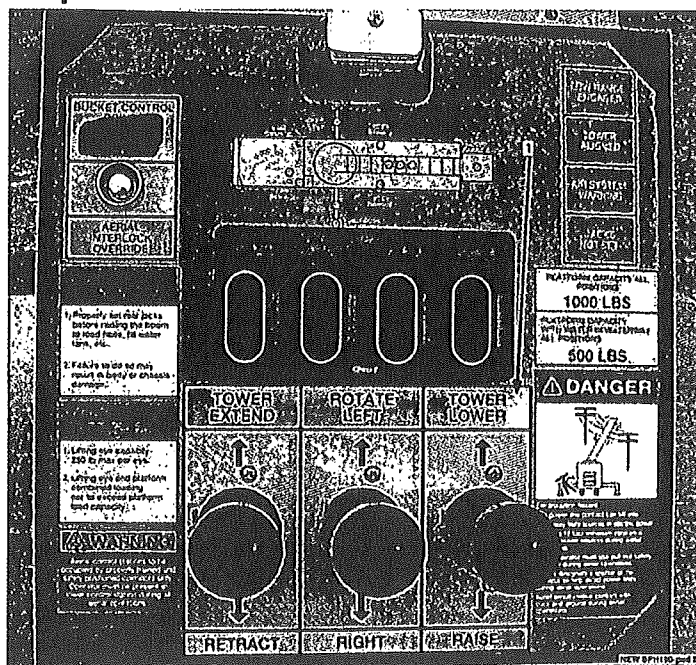
When in a CREEP MODE, full operational speed may be regained by either elevating or rotating the boom until it is clear of the CONTACT ZONE.

When a CONTACT ZONE alarm is sounding, you may cancel the audible portion of the alarm by pushing the ALARM SILENCE button. This will only cancel it at the operator's station that you are at. When the boom is moved to a location outside the CONTACT ZONE, the audible alarm will be automatically reset.

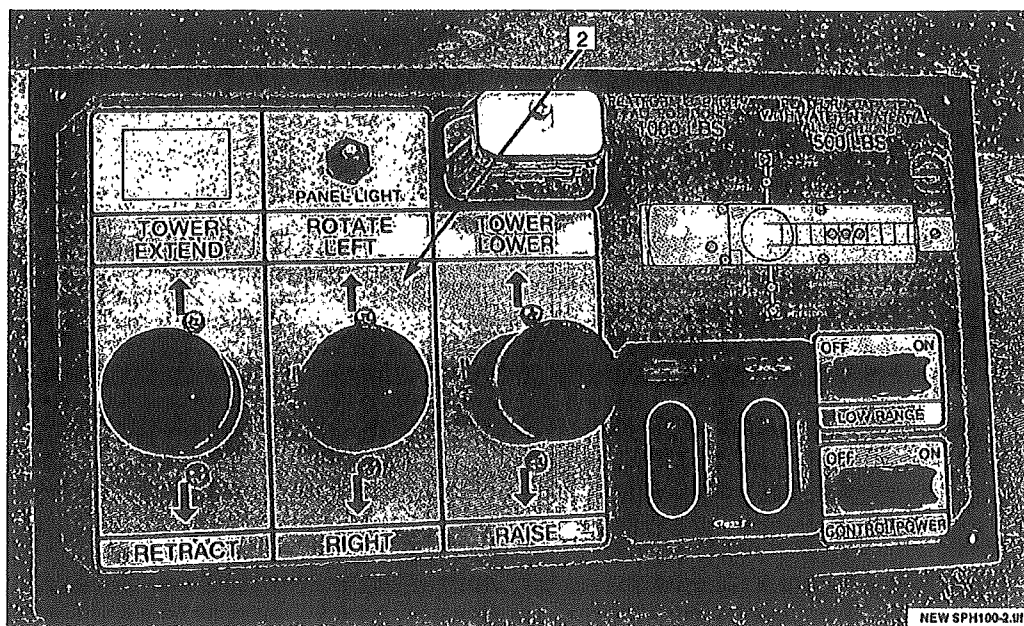


ALL OUT.

1.13 Aerial Operational Controls



Pedestal Controls



Platform Controls

▽ **Operator Manual**

The aerial may be operated from the turntable pedestal controls (1) or the platform controls (2). The platform and pedestal controls are multiplexed electric over hydraulic.

You will notice that both sets of controls are "proportional", meaning that the operations can be "feathered" to produce gentle movements.

The pedestal controls will always override the platform controls. If the platform operator is moving in one direction, the pedestal operator can stop the operation if an emergency need arises. The power to the platform controls can be turned off at the pedestal or in the ground jack controls.



DANGER

Never operate the tower without first deploying the stabilizer jacks with proper auxiliary ground pads beneath them.

Raise/Lower

Raise the tower by moving the right control lever in the direction indicated.

Lower the tower by moving the right control lever in the direction indicated.

NOTE: Controls in platforms are duplicates of lower controls.

When raising the tower from the cradle, the first motion of the tower should be up, and this should continue until tower is well above the truck.



CAUTION

Observe that tower has cleared the truck body, cab, and lights before rotating. The recommended procedure for aerial operation is a slow, steady movement of the control lever, which will produce a smooth operation.



CAUTION

Rapid movement or jerking of the control levers will result in rough jerking of the aerial imposing excessive loading on the tower structure. This kind of operation is unsafe and will lead to premature wear and, at the extreme, possible structure failure.



ALL OUT.



DANGER

When raising the aerial, extreme caution should be used near power lines. The operator must observe the tower structure from base to tip to ascertain that the tower is in the clear.

The tower can be elevated from minus 5 degrees to plus 80 degrees from horizontal while in any position of extension.



WARNING

There should be an operator at the lower control station any time the aerial is being used. The lower controls can override the platform controls should an emergency or dangerous situation come up or if the platform operator should become incapacitated because of smoke or other problems.

Extend/Retract

Extend the tower by moving the left control lever in the direction indicated.

Retract the tower by moving the left control lever in the direction indicated.

Rotation

Rotate the tower to the left by moving the center control lever in the direction indicated.

Rotate the tower to the center by moving the right control lever in the direction indicated.

The tower is capable of continuous 360-degree rotation, either to the left or the right.

The operator should never change direction of rotation without first bringing the aerial to a gentle stop.

High-Speed Control

On the floor of the turntable and on the floor of the platform there is a HI-SPEED switch provided to increase the engine speed and hydraulic pressure simultaneously. This switch is to be used only to increase the speed of operation of the aerial.

There is also a high-speed switch on the Ground Jack Control panel that may be used while operating the outriggers/jacks.



CAUTION

Caution must be used in the use of this HI-SPEED switch.

NOTE: When in pump mode, the switch is disabled.

NOTE: When using the HI-SPEED switch, first have the operational control lever being used in position before engaging the HI-SPEED switch. When coming off HI-SPEED, first release the switch, then release the control lever as desired to complete movement and give a smooth, safe operation.

When extending the aerial and using the HI-SPEED control, be sure to release the HI-SPEED switch before reaching maximum extension. Aerial extension will stop at maximum extension. (There is no signal device for indicating full extension.)

When retracting the aerial and using the HI-SPEED switch, be sure to release the HI-SPEED switch before reaching full retracted position.

NOTE: The aerial is capable of continuous 360-degree rotation to the left or right. If it becomes necessary to rotate at a faster speed, the HI-SPEED switch can be used. Be sure the rotation control lever is engaged before engaging the HI-SPEED switch. When coming off HI-SPEED, release the HI-SPEED switch before releasing the rotational control lever. This will give a nice smooth operation.



ALL OUT.



CAUTION

While rotating the tower, the operator should not change directions without first permitting the tower to come to a complete stop!

In the event the operator accidentally changes rotation directions without the tower coming to a complete stop, there is a built-in relief valve provided to reduce the shock of such a happening. IN NO WAY SHOULD THIS BE AN OPERATIONAL PRACTICE!

Low Range Switch

On the platform control panel there is a switch labeled LOW RANGE. When turned on, this will slow the aerial to approximately half-speed. This can be beneficial when working near obstacles to give you precise control. When activated, both the bucket controls and pedestal controls will be affected.

Auxiliary Hydraulic Power Switch

The auxiliary hydraulic power switch is located on the hydraulic panel. Auxiliary power is used in the event of a main hydraulic pump failure or in case the truck engine fails. It consists of an electric motor, operated from the truck battery system, which operates an auxiliary hydraulic pump.

Operate the motor by turning the auxiliary power switch to the ON position.

All tower functions can be operated on auxiliary power.



CAUTION

Prolonged operation may cause the motor to overheat. The operator should avoid overheating and burning out the motor. If the motor becomes hot, shut down and allow to cool. Failure to do so could result in serious damage to the motor. Run for two minutes and cool for five minutes.

1.14 Water Delivery System

Telescopic Waterway

The waterway through which water from the pump or manifold assembly is transferred to the nozzle is a five-section, telescopic aluminum device. It is located within the tower sections mounted and cushioned to eliminate any undue stress or strain under tower operating conditions.

The waterway is fed from the pump through the main feed line, coming up through the turntable and passing through a large stainless steel flex tube, which is directly attached to the waterway. Special packing gland seals are provided at the attachment location of each waterway section to ensure constant alignment and eliminate wear to the tubes.

The feed line for the waterway is provided with an electric ball valve at the lower entrance of the water supply. For best results, open and close valve at idle pressure. This is to ensure that no undue water surge is applied to the waterway. A manual override for this valve is provided on the right-side pump panel if your truck has a Hale pump and if your truck has a Waterous pump. In both cases, there is a hand wheel that can be used to open the valve.

NOTE: This override turns clockwise to open.

Two relief valves are installed in the waterway system to help prevent excessive pressure in the waterway (one under the truck and one just behind the platform). Should the operator retract the tower without opening the waterway drain or should pump pressure exceed the capacity of the waterway, the relief valves will open. The lower relief valve is set at 165 psi discharge pressure, and the upper is set at 200 psi. The waterway drain should always be left open when tower is not being operated.

Maintenance is minor and is described in the section under lubrication.



ALL OUT.



CAUTION

Before retracting the tower, make sure that the nozzles and the waterway drain are open to avoid compressing the water in the waterway. Failure to do so can result in serious damage to the waterway.

Platform Water System

There are two turrets with adjustable stream nozzles provided on each side of the platform. Gear-driven butterfly valves are installed ahead of the turrets to allow smooth control of the water coming to the turrets, eliminating the possibility of surges (water hammer) through the waterway system. The water system is rated for up to 2000 gpm. The rating in the bucket, while waterway is charged or flowing water, is 500 lbs.

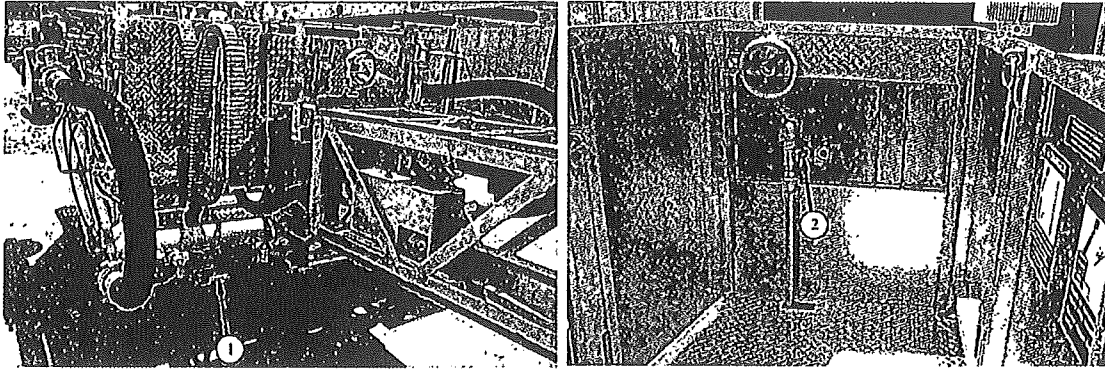
Both nozzles may be operated simultaneously or individually. The nozzles are rated to deliver the capacity of the turrets.

There are auxiliary connections on the water system at the platform for standpipe operations. They are 2 ½ inches with a 1 ½-inch reducer and cap. They are controlled by closing the butterfly valve on the turret; then controlling the water flow of these connections with the gate valve ahead of the hose connection.

▽ **Operator Manual**

1.15 Cold Weather Operations

Draining the Waterway



**Truck Has Automatic Drain
Valve on Yoke**

Water Curtain Valve

If operating in a water tower mode during freezing conditions, these instructions must be followed for draining the waterway to help prevent potential freezing.

Immediately after shutting off the water flow to the waterway, open the nozzles in the platform, the water curtain (2), and the waterway drain valve (1) (at the pump panel). To expedite the draining process, retract the aerial completely and elevate as high as practical.

1.16 Draining the Fire Pump

Open all master and individual drain valves (suction and discharge) and open all valves, removing caps to make sure they drain completely.

Drain gauges on tower gauge panel.

When pump is completely drained, all individual drains may be shut, but the master drain should be left open until the fire pump is needed to be used.

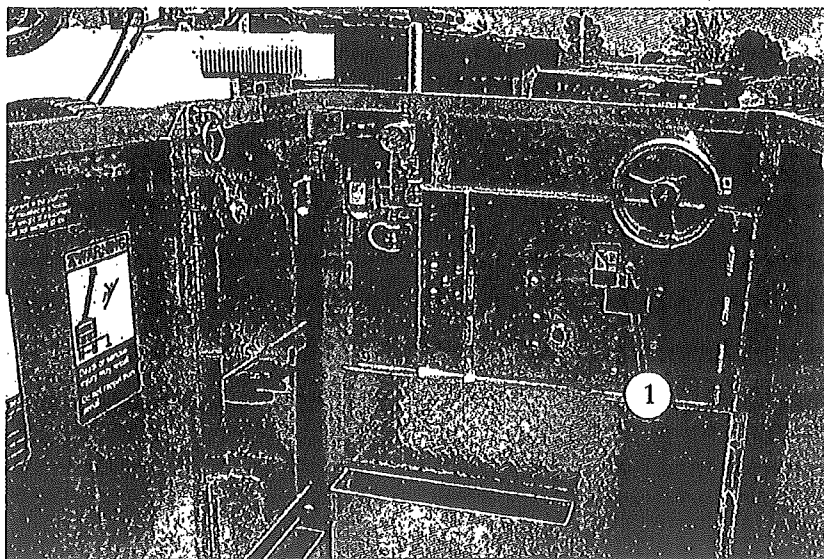
1.17 Platform Mounting and Leveling System

The platform is suspended in the yoke, anchored on each side with special self-aligning bearings and special high-tensile steel bolts. The bolts that hold the bucket to the yoke have special locking devices to ensure positive, safe operation.

The platform is maintained in a level position relative to the turntable at all times. This is accomplished by a self-contained electro-hydraulic system, eliminating any hydraulic lines up the tower. This system operates the hydraulic leveling motor. The pivot point of the platform is above the center line of the platform, providing a pendulum effect, reducing the energy required to level the platform. The system is electrically activated and kept level during any function of the tower. The pendulum effect of the platform will keep the platform level. This is an exclusive safety feature of this aerial.

Leveling System Override

In case of failure, there is one needle valve (1) located on the left side on the inside wall of the platform. Open this valve 1/4 of a turn and the hydraulic cylinder will operate with the weight in the platform, thus keeping the platform level.



Leveling System Override Valve

▽ **Operator Manual**

1.18 Optional Breathing Air System

On the aerial platform, a life support breathing system is installed. This consists of a 4500 psi, or optional 6000 psi, air cylinder mounted in brackets on the turntable, a shutoff valve, and a constant flow air regulator.

Air is piped from the regulator by a heavy-duty air hose through a cable track located in the boom to the platform.

In the platform, there is an air filter, and two air connections are provided. There is a box mounted on the platform to store masks in when not in use.

Air to the mask can be regulated from the air supply cylinder by presetting the regulator at approximately 120 psi. (Refer to air mask manufacturer's recommendations). Once the air pressure regulator has been set, all that is required to provide air to the platform is to turn air on at the air cylinder valve. The air valve should always be turned off when not in use. An air drain valve is provided on the bottom of the filter and should be opened briefly and periodically to expel any moisture which may be captured in the filter. This should be done with the air system turned on. Use and care of the air system should follow departmental procedures and guidelines.

Located at the pedestal and platform are low air warning devices. They will sound an audible alarm when breathing air pressure is low. Personnel using the air should move to a nonhazardous area when the alarm sounds.

There is a silence button located on the platform control station and one located on the pedestal control station that will temporarily silence the platform alarm or the pedestal alarm. The alarm will automatically sound after two minutes, when silenced, if the air is still low.



ALL OUT.

1.19 Climbing Aerial or Using as an Escapeway

Extend or retract the aerial slightly until the RUNG ALIGNMENT LIGHT is on, indicating that the rungs of the ladder are aligned, where one section overlaps another, making it easier to climb.

When climbing the tower or when escape procedure is in progress, the UPPER POWER switches in the platform and at the turntable pedestal should be turned off, so as not to accidentally move the tower in any way.

1.20 Rappelling

Sutphen Corporation does not approve rappelling from any portion of the aerial device as we cannot control the impact loading implied upon the aerial by the sudden decelerations associated with this procedure. The lifting eyes are tie-off points for static loads associated with rescue operations.

1.21 Loading Hose

When loading hose in the main hosebed, it is helpful to raise the boom slightly.



CAUTION

Survey the area for overhead obstructions before raising the aerial.



CAUTION

Never rotate the aerial off to the side of the vehicle during this operation unless the outriggers are fully deployed.

Before raising the aerial, set the rear jacks properly to provide stability to the truck and to transfer the force of bedding the boom to the ground. To raise the boom out of the bed, use the interlock override button on the top of the pedestal and at the hydraulic control panel.

1.22 Aerial Take-Down Procedures

Stowing the Aerial Device

1. Retract aerial fully by moving the appropriate lever in the direction indicated.



CAUTION

Before retracting the aerial, make sure that the nozzle and waterway drain are open to avoid compressing any water in the waterway. Allow waterway time to drain before retracting the tower. Failure to do so can result in serious damage to the waterway. Point both nozzles down to minimize the chance of being hit during travel.

2. Rotate the aerial to the left or right until it is properly aligned and the alignment light is lighted. The aerial is now in position to lower into the support cradle.
3. Lower the aerial until it reaches the cradle, making sure the alignment light is still on before actually entering the cradle. The throttle must be at idle when actually entering the cradle area.



WARNING

Bedding the aerial at any speed other than idle may damage the vehicle.

4. After the tower is lowered into the cradle, continue to hold the control lever in the lower position a few seconds, then release the lever to permit a pilot check valve in the hydraulic circuit to trip and lock at its preset pressure. This locks the tower in the cradle for travel. This procedure works the same at either the controls at the pedestal or in the platform.
5. Turn control power switches off and exit the platform or pedestal.
6. Remove the wheel chocks.

NOTE: Always remove the wheel chocks before releasing the stabilizers. Failure to do so could result in wedging the chocks tightly against the tires making them unremovable.

7. Remove safety pins in outriggers and replace them in their holders.



ALL OUT.

NOTE: The interlock system will not allow the oil to be transferred to the jack system until both of the safety pins have been removed.

8. Retract the stabilizers-
 - A. Move to the Ground Jack Controls panel.
 - B. Push the UPPER POWER switch off.
 - C. Transfer the hydraulic oil pressure to the jack system by pushing the switch off.
 - D. Retract the stabilizers by starting with the front jacks reversing the setup procedure, moving from front-rear-outriggers up - outriggers in.
 - E. Replace the auxiliary outrigger pads in their holders after retracting the outriggers.
 - F. Push the operator's step in and lock in place with the locking bar.
9. Enter the cab and disengage the fire pump if used.
 - A. Shift transmission to Neutral (N).
 - B. Wait until speedometer registers 0 miles per hour.
 - C. Move pump shift lever from PUMP position to ROAD position.
10. Disengage the PTO switch from ON to OFF position. Observe that the red pilot light goes out.
11. Release parking brake.
12. Place transmission in appropriate gear [Drive (D) 1-5 or Reverse (R)].



CAUTION

Before driving away, the operator should make a quick inspection trip around the truck to make sure all tools and appliances have been removed and stowed, compartment doors are closed, and that the vehicle is unobstructed.

Operator must also check the five warning lights on the in-cab dashboard marked UPPER POWER, JACKS OUT, JACKS DOWN, CAB DOOR OPEN, and COMPARTMENT DOOR OPEN making sure they are not lighted.

▽ **Operator Manual**



WARNING

All personnel must be seated and seat belts fastened before unit is moved.

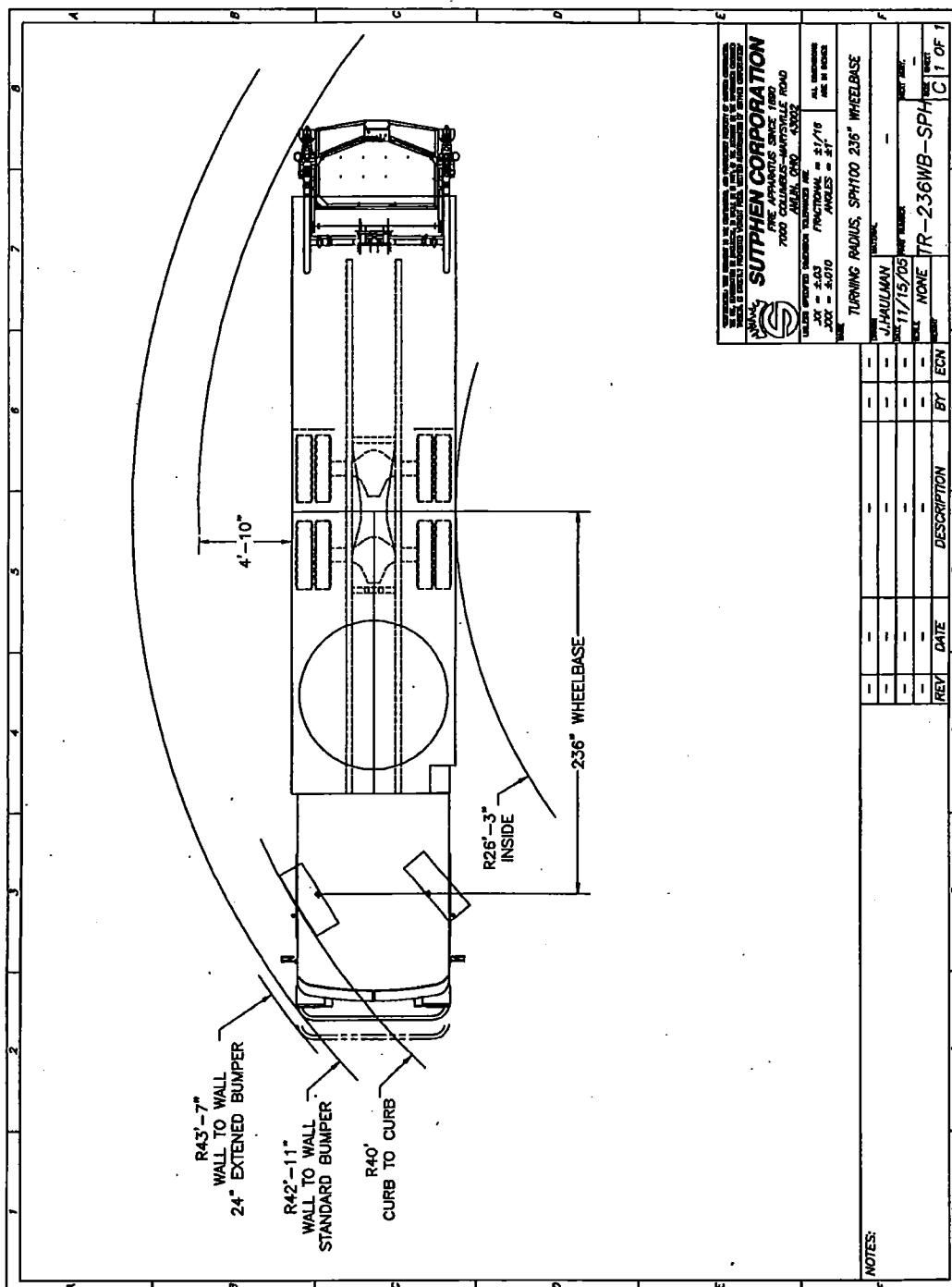


WARNING

Never back the truck unless a guide has been placed at the rear of the truck, giving clear signals to the operator. If the guide disappears from view, the movement must be stopped until the guide reappears.

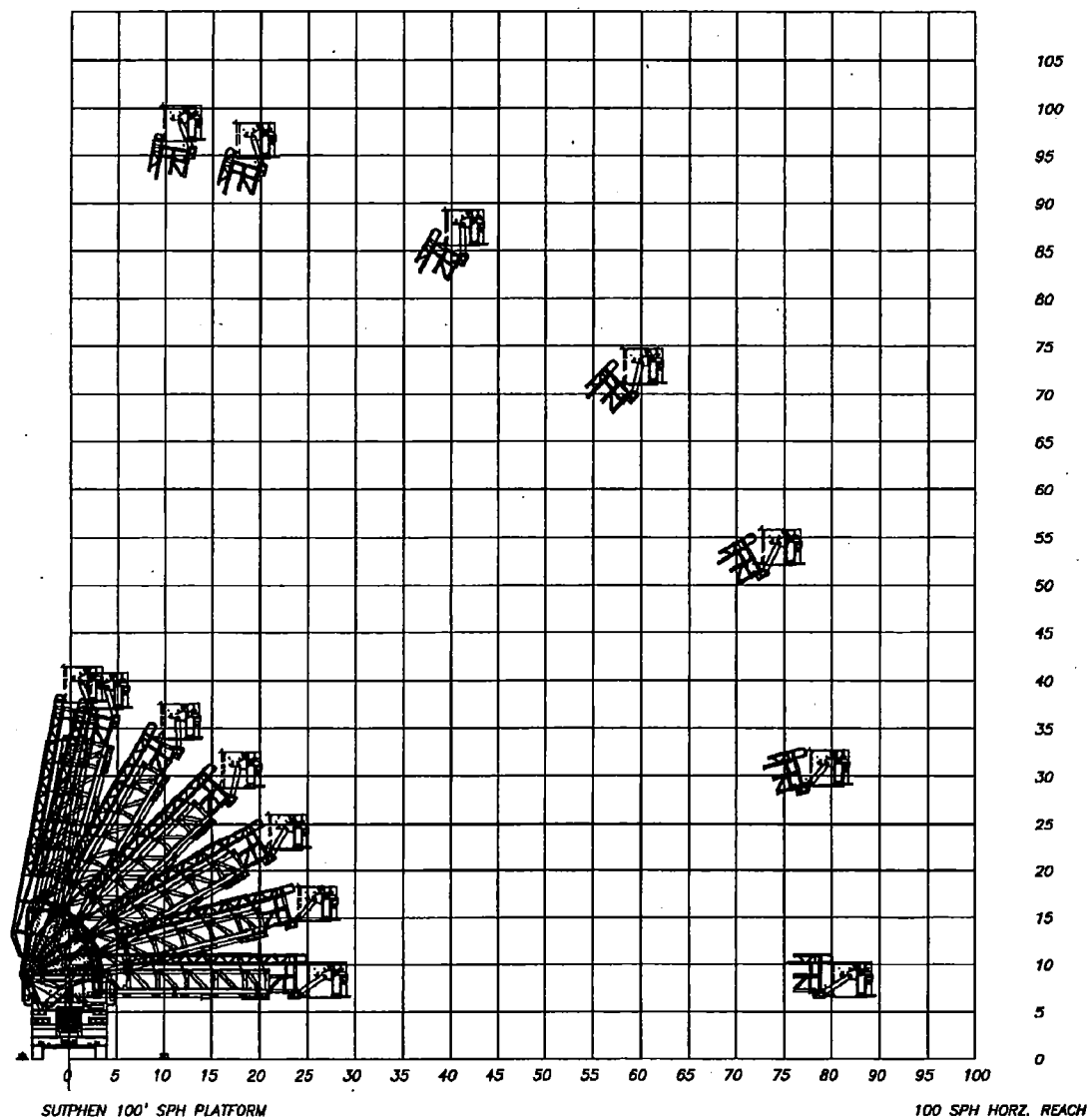


ALL OUT.



Model SPH 100 Aerial Platforms Operator and Maintenance Manual

Operator Manual





ALL OUT.

Chapter 2 Maintenance Manual

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ALL OUT.

2.1 Aerial Maintenance

Outrigger Beams

Ride on plastic guides - No lubrication required.

Main Lift Cylinders

Composite bushings - No lubrication required.

NOTE: There are four setscrews used as locking pins to secure the rod eye to the ram cylinder. These setscrews should be checked and re-tightened at this time.

Pivot Shaft Bearings

Located on the top of the upper assembly side plates are two pivot shaft bearings, one on each side, which rotate on the pivot shaft. The pivot shaft is attached permanently to the turntable side plates on the outside of the side plates. There are grease fittings installed on the pivot shaft bearings. These bearings should be lubricated with a good grade multipurpose grease every 10 hours of operation, or annually, whichever occurs first.

Turntable Bearing

This bearing and drive gear assembly is located directly under the turntable. The entire turntable and tower assembly rotates on this bearing. This bearing is pre-lubricated at the factory with a multipurpose grease. Grease fittings are provided on the top of the bearing accessible through the turntable openings, one each side of the turntable. Lubrication should be done two times per year. Use multipurpose grease.

NOTE: At this time, we recommend that all the bolts attaching the turntable to the bearing, and all the bolts attaching the bearing to the turntable base should be checked for tightness. They should be checked at 250 ft lb of torque.



DANGER

The person operating the turntable for bolt alignment must make sure that all persons and tools are free and clear before rotating.

The drive pinion gear and the turntable bearing gear have been lubricated with a special permanent elastic lubricant designed to last the life of the unit.

Rotation Worm Gear Reducer

This is the device that rotates the turntable and tower assembly. It is attached to the turntable below the boom.

It is driven by a hydraulic motor directly attached to the high-speed worm gear shaft. No lubrication is required for the hydraulic motor. On the main gear case, there are three plugs located on the left-hand outboard side. The top plug is the oil fill vent plug, the one on the side is the fill level plug, and the bottom one is the drain plug.

Under normal tower operation conditions, the lubricating oil in this gear reducer should be changed three months after the delivery date of the tower. After that, lubricating oil should be changed every 36 months (average 4 hours per day operation). Never overfill the unit. Check oil level every 3 months. Use a good grade of 90-weight gear lubricating oil. At the upper portion of the main gear case, there is a grease fitting. This fitting should be greased every 25 hours of operation or annually with a good grade of EP bearing grease.

There are three plugs on the primary high-speed gear housing. The one on top (1/4") is the filler-breather plug. The one on the side (1/4") is the lubricant-level plug, the one in the bottom of the high-speed gear housing (1/4") is the drain plug.

Maintain oil level to oil level plug. Check oil level every 3 months. Use a good grade of 90-weight gear lubricating oil.

On the high-speed worm gear shaft, there is one grease fitting located on the bearing end cap. This fitting should be greased twice a year with a good grade of EP bearing grease. Do not overgrease this bearing!



ALL OUT.

Aerial Extension/Retraction Cylinders

Located on each side of the first tower section is a cylinder which extends and retracts the tower assembly. There is only one point on the cylinder which requires lubrication; this being at the rod end eye mounting pin. A grease fitting is provided on the rod eye of the cylinder and should be lubricated two times per year. Use multipurpose grease. At each end of the cylinder there are bolts attaching the cylinder pin to the tower. These bolts should be checked every three months for tightness.

Sheaves and Cables

There are sheaves and cables which are part of the tower extension/retraction system from the second section on up. Each sheave has a poly bearing and requires periodic lubrication. In the sheave bearing pin, there is a grease fitting provided. Each sheave should be greased after every 10 hours of service or annually. We recommend the use of a high-grade chassis grease designed for heavy-duty service.

When servicing the sheaves, the tower should be extended horizontally to maximum position, and the cables wiped free of any dirt and/or grime with a slightly moist naphtha cloth and then lubricated with a thin film of oil. We find that oil on a cloth permits this to be done easily and adequately.

Cable Adjustment

Please see page 2-13.



DANGER

Stabilizers must be set before performing this operation.



DANGER

If any strand of the cable is fractured or damaged, immediately lower the aerial and retract slowly. Remove from service until repaired.

Slide Blocks

These are the devices attached to the ends of the tower at both the upper and lower position on each section. They support each section of the tower, so no metal-to-metal contact can occur.

 Maintenance Manual

The material is UHMW polymer compound and is designed to withstand heavy loading. Lubrication is required in the path in which the slide blocks travel on each section.

Slide block paths have been coated with a dry lubrication, McLube 1708L, prior to the aerial being assembled.

The slide block paths should be coated with the McLube 1708L every 25 hours or more often when aerial is starting to vibrate or shimmy. You then should reapply on the boom sections where the McLube has worn. It is only necessary to reapply when McLube is missing or worn off on the load bearing area.

Before application of McLube 1708L, make sure the product is stirred well; the active ingredients will settle upon standing. Safety glasses and gloves are also recommended to avoid eye and skin contact.

This product can be purchased from:

McLube Division of McGee Industries
9 Crozerville Road, P. O. Box 2425
Aston, PA 19014-0425
Phone: 800-262-0425
e-mail: bob@mclube.com

There are exceptions to this schedule that should be considered. Should the tower be operated at a fire and exposed to excessive dirt and grime, we recommend that the slide block travel paths be cleaned and the tower be coated. Do not overcoat. A medium film of McLube in the path of the slide block travel is adequate.

Do not clean your aerial using any cleaning agents or solvents that can cause chemical degradation to plastic slide blocks or other parts made from the same UHMW material.



ALL OUT.

Cleaning agents or solvents containing the following chemicals should not be used: chlorine, benzene, toluene or any compound with a Ph over 10 (i.e., sodium hydroxide).

Use of agents containing the above chemical will void your warranty due to the fact that it may cause surface cracking of the UHMW plastic material.

Cable Track

The cable track should be inspected, maintained and cleaned after each use.

Waterway and Seals

This is the telescopic tube device inside the tower that carries the water to the tower nozzle. It has seals which ride on the internal honed and hard-coated surface of the tubes. These seals are made with an impregnated lubricant and should be adequately self-lubricated and cleaned by the water that passes through the waterway. However, it will prolong the life of your waterway if it is wiped off periodically with a rag saturated with Dextron III.

The outside of the tubes are provided with nylon bearing collar assemblies built in the mounting collar of each section. The outside of the tubes should be kept wiped free of dirt and grime to protect the bearings. Should the aerial be used under extremely dirty conditions, the waterway should be wiped off before retracting to keep dirt from entering the bearings. The ladder is best accessed with it fully extended and lowered over one of the outriggers.

Consistent cleaning of the tower travel paths is the best and most inexpensive maintenance you can perform to keep the tower in perfect operation condition.



DANGER

Never extend or move the tower in any way while persons are on the tower.

NOTE: The hydraulic oil tank is located behind the outriggers control panel.

Hydraulic Oil Tank

Located behind the jack control panel, this tank has a capacity of 65 gallons. It has a special filter screen installed in the top of the tank and is where the oil level is checked. The oil level can be seen in the sight glass on the side of the tank. The hydraulic oil furnished in the tank is ATF DEXRON III.



CAUTION

When checking or adding oil, make sure all hydraulic systems are at rest (retracted). Failure to do so will result in overfilling the system.

Hydraulic Oil Filter

The hydraulic oil filter is located in the top of hydraulic tank. The oil should be changed after the first three months of service and changed annually thereafter.



CAUTION

This filter is a special Parker 10-micron filter and must be replaced with the same brand and model to maintain the hydraulic system warranty. Failure to do so could result in damage to the hydraulic system or poor operation of the tower.

1. Change filters and oil
2. Run the hydraulic system for 1 to 2 minutes to circulate oil through the system.
3. Check the oil level with dipstick on top of the tank and add oil to the proper level, if required.

Fuel Tank

The fuel tank is located behind rear axle. It has a capacity of 65 gallons. The filler for the tank is located on the left-rear fender panel. A nameplate marked Diesel Fuel Only is attached near the filler for proper identification. Use #2 diesel fuel under normal conditions.



ALL OUT.

2.2. Maintenance of Structure

Aluminum Tower Structure

The tower structure members are #6061-T6 aluminum alloy extrusion. This alloy is very resistant to corrosion and requires very little maintenance. Periodic washing with clear water only is recommended. Use mineral spirits for removal of tar, oil, and smoke film. If a brighter appearance is desired, use any quality automotive polish, a mag and aluminum wheel cleaner, or a Scotchbrite pad.

NOTE: Sutphen recommends that once a week the ladder should be raised to full elevation, full extension, then rotated completely 360 degrees in both directions.

Attachment of Support Structure to Truck Frame

There are twelve Huck bolts - retorque not required.

Any indication of loosening or bolt failure should be reported to Sutphen Corporation for evaluation and disposition.

NOTE: Sutphen recommends that once a week the ladder should be raised to full elevation, full extension, then rotated completely 360 degrees in both directions.

2.3 Sutphen-Recommended Torque Schedule for Various Fasteners

See drawing for location of various fasteners.

Section A - Side plate pivot shaft bearings. Bolts used are 1/2" standard thread with Stover lock nuts. Torque to 55 to 60 ft/lb.

Section B - Pivot shaft end caps. Bolts used are 7/16" Grade 8 in tapped holes in pivot shaft with lockwashers. Torque to 35 to 40 ft/lb. End cap to side plate bolts are 7/16" Grade 8 with Stover lock nuts. Torque to 35 to 40 ft/lb.

Section C - Waterway support brace between side plates of boom. Bolts used are 3/4" standard thread in tapped hole on end of brace assembly. Torque to 150 to 200 ft/lb.

Section D - Pin through lift cylinder rod eye each side with securing ear. Bolts used are 1/2" standard thread with Stover lock nuts. Torque to 40 to 50 ft/lb.

Section E - Winsmith speed reducer for rotation. Bolts used are 5/8" standard thread with torque washers and Stover lock nuts on Winsmith. Torque to 175 to 185 ft/lb. Base plate bolts are 1/2" standard thread with washers. Torque to 75 to 85 ft/lb.

Section F - Turntable bolts, top and bottom. Top bolts secure the turntable to the bearing assembly. The bottom bolts secure the turntable bearing to the turntable main frame assembly. Bolts used are 3/4-10. Torque to 225 to 250 ft/lb.

Section G - Curved crossplate between boom side plates. Bolts used are 3/8" grade 8 standard thread with lockwashers and nuts. Torque to 25 to 30 ft/lbs.

Section H - Brace between boom side plates. Bolts are 3/4-10 with L-9 washer. Torque 150 to 200 ft/lb.

Section I - Pin through base of lift cylinder each side with securing ear. Bolts used are 1/2" standard thread with Stover nuts. Torque to 40 to 50 ft/lbs.



ALL OUT.

Section J - Turntable main frame assembly secured to chassis frame rails. Bolts used are 16mm Grade 8 Huck bolts and do not require torquing.

Section K - Ground jack hydraulic cylinders attached to jack outrigger plates. Bolts used are 1" standard thread with Stover lock nuts. Torque to 550 to 600 ft/lb.

Section L - Pin through base of extend/retract cylinder each side with securing ear. Bolts used are 3/8" grade 8 standard thread with Stover lock nuts. Torque to 15 to 20 ft/lb.

Section M - Cross supports attached to boom assembly to support extend/retract cylinders on side of boom. Bolts used are 3/8" grade 8 standard thread with Stover lock nuts. Torque to 30 to 36 ft./lb. Section M also includes other brackets that hold sheaves and cable end brackets to each boom section. Bolts used are 3/8" standard thread with Stover lock nuts. Torque to 30 to 36 ft/lb.

Section N - Yoke side plates are attached to the fly section of the boom each side. Bolts used are 3/8" standard thread with Stover lock nuts. Torque to 25 to 30 ft/lb.

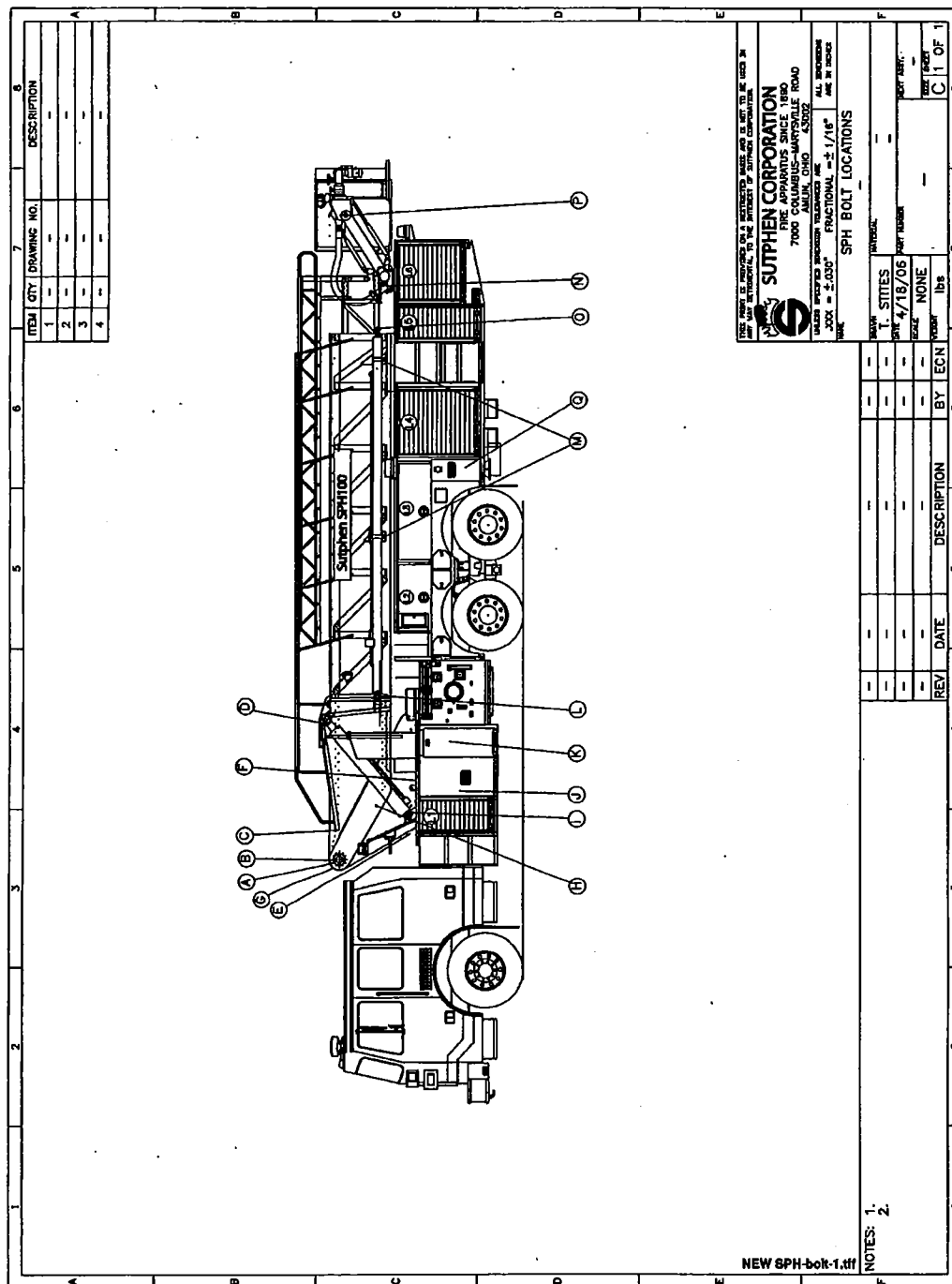
Section O - Bolt through rod eye of extend/retract cylinder each side. Bolts used are 3/4" standard thread with Stover lock nuts. Torque to 140 to 160 ft/lb.

Section P - Bolts that secure platform to yoke assembly. These are 3/4" standard thread special hardened bolts secured with Stover lock nuts. These do not require a full torque rate, as they are locked in place by the pivot bearing attached to the platform. Torque to 50 to 60 ft/lb.

Section Q - Rear jack cylinder U-bolt nuts, snug. Do not overtighten.

Model SPH 100 Aerial Platform Operator and Maintenance Manual

Maintenance Manual





ALL OUT.

CABLE ADJUSTMENT PROCEDURE: SPH 100

OBJECTIVE: TO SET PROPER TENSION IN EXTEND/RETRACT CABLES BY ADJUSTING SECTION TO SECTION GAPS. ONLY THE "DROOP" IN THE CABLES SHOULD BE TAKEN OUT WHEN ADJUSTING THEM. DO NOT OVER-TIGHTEN THE ADJUSTMENT BOLTS.

STEP 1: EXTEND BOOM FULLY IN THE HORIZONTAL POSITION. EXTEND CABLES WILL BE TIGHT. RETRACT CABLES SHOULD BE LOOSE. MEASURE THE EXTENDED DISTANCE FROM THE 2ND SECTION TO THE 3RD SECTION. IT SHOULD BE APPROXIMATELY 179.25 INCHES. SUBTRACT 179.25 FROM THE ACTUAL DISTANCE MEASURED. THAT DIFFERENCE IS THE AMOUNT OF ADJUSTMENT NEEDED AT THE CABLE BOLT. FOR EXAMPLE: IF THE DIFFERENCE IS .50 INCHES, THEN THE ADJUSTING NUT ON THE CABLE MUST BE TURNED 5 TURNS IN STEP 2. (THE CABLE BOLT HAS 10 THREADS PER INCH; SO EACH TURN OF THE NUT WILL PROVIDE .10 INCH OF ADJUSTMENT).

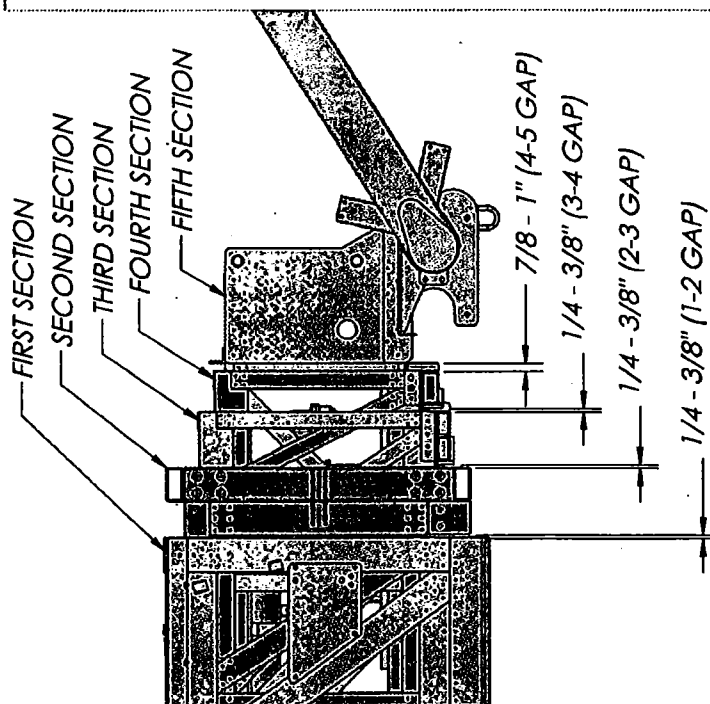
STEP 2: RETRACT THE BOOM 1-2 INCHES AS MEASURED AT THE EXTEND/RETRACT CYLINDERS. LOOSEN THE JAM NUTS ON THE EXTEND CABLES FROM SECTION 1 TO 3 AND ADJUST THE ADJUSTMENT NUTS BY THE NUMBER OF TURNS DETERMINED IN STEP 1.

STEP 3: RETRACT BOOM SEVERAL FEET AND THEN FULLY EXTEND. RECHECK EXTENSION OF SECTION 3. IT SHOULD BE 179.25 TO 179.375 INCHES.

STEP 4: ADJUST RETRACT CABLES FROM SECTION 1 TO 3 TO REMOVE "DROOP". DO NOT OVER-TIGHTEN.

STEP 5: REPEAT STEPS 1 THRU 4 FOR THE 4TH SECTION MAKING ADJUSTMENTS TO THE CABLES CONNECTING SECTIONS 2 AND 4.

STEP 6: REPEAT STEPS 1 THRU 4 FOR THE 5TH SECTION MAKING ADJUSTMENTS TO THE CABLES CONNECTING SECTION 3 AND 5.



SPH 100 AERIAL
CABLE ADJUSTMENT PROCEDURE
EXTEND/RETRACT CYLINDER STROKE: 179"

AT-C-6403 REV A.0 8/28/07

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

[Home](#) | [Apparatus/Equipment List](#) | [Request Maintenance](#) | [Pending](#) | [Reports](#) | [Bulk Complete](#)
[Support](#) | [Help](#) | [Log Out](#)

Apparatus	
Apparatus ID	L151
Vehicle #	3140/G12SFE
Manufacturer	Stuphan
Model	Aerial
Year of Manufacture	2009
Location	

[Add New Entry](#)

Maintenance Record					
Completed	Title	Type	Done By	Notes	
7/20/2012	Marker lights		Merle's Automotive Supply	Special Order, Inv # 05583297	Edit Delete
5/30/2012	Coolant		NAPA Auto Parts	Coolant Inv # 35185	Edit Delete
5/25/2012	Coolant leak		ASAP Truck, RV & Equipment Repair	Removed coolant filter and installed new filter Inv # 2811	Edit Delete
4/26/2012	Insurance adjustment			Insurance adjustment	Edit Delete
4/25/2012	Bodywork, parts, paint, labor		Arizona Byways	Bodywork, parts, paint, labor Inv # 15226	Edit Delete
4/4/2012	Blown O-ring seal on main hydraulic manifold	Repair	United Fire	On Tuesday, a seal blew on a main hydraulic block on the ladder. This caused a small leak. The truck was immediately taken OOS. UFE was called and arrived at 0730 Thursday April 4th. Joe repaired the item by placing a new seal. The old seal was found to be torn. Engineer Miller will be ordering more of the seals in case this happens in the future. Pictures are attached to Email documentation. J. Moore	Edit Delete
4/4/2012	Misc Truck Parts		United Fire	Misc Truck parts Inv # 474417	Edit Delete
2/28/2012	Bodywork, parts, paint, labor		Arizona Byways Inc.	When the job is done remaining balance of 7636.61 will be paid. Inv # 15226	Edit Delete
2/10/2012	Coolant Sensor		Stuphan	Low Coolant Sensor. Inv # 14175440	Edit Delete
2/3/2012	Misc Hardware		GV True Value	Cable. Inv # 58291	Edit Delete
1/30/2012	Misc		Merle's Automotive	Bulb Inv # 05555627	Edit Delete
12/31/2011	4 Tires		Tire Center	Qty 4. 11R22.5(H) MI XZE2 Inv # 8270077739	Edit Delete
10/24/2011	Air operation drain		Stuphan Corp.	3/4 air operation drain Inv # 12173169	Edit Delete
8/30/2011	Aerial Inspection		Diversified Inspections	Inv # 203876 DITT	Edit Delete
8/22/2011	Credit		Stuphan	Credit memo dated 8/22/11	Edit Delete
8/19/2011	Pump Test		United Fire	pump inspection and test Inv # 458158	Edit Delete
6/16/2011	Misc parts		NAPA Auto	Toggle Switch Inv # 133855	Edit Delete
5/19/2011	Replaced air solenoid piston		ASAP Truck	Replace solenoid on the pump transmission. Inv # 2406	Edit Delete
12/15/2010	Transfer Gear Rebuild		United Fire	Transfer gear rebuild, for details refer to invoice 439617	Edit Delete
11/23/2010	Misc Parts		Merle's Automotive	Lamp Inv 05089745	Edit Delete
9/27/2010	Pump Test		United Fire	Filters, Pump test. Inv # 433978	Edit Delete
9/23/2010	Safety Inspection		Diversified Inspection	Safety Inspection Inv # 192758-DITT	Edit Delete
8/10/2010	Misc hardware		Ace Hardware	screws Inv # 475219	Edit Delete
8/6/2010	Misc parts		Merle's Auto	Exchange caps Inv # 05573313	Edit Delete
8/6/2010	bypass cap		Merle's Automotive	bypass cap Inv # 05573311	Edit Delete
5/25/2010	Brake Inspection		Wear Mobile Truck & Equipment Repair	Brake Inspection Inv # 1871	Edit Delete
5/1/2010	Misc hardware		Green Valley ACE Hardware	Dual thread acerator Inv # 435566	Edit Delete
4/29/2010	Fasteners		Ace Hardware	Fasteners Inv # 434646	Edit Delete
3/24/2010	replace fuel tank plug		United Fire	Replaced fuel tank plug Inv # 418269	Edit Delete
2/22/2010	Fender Washers		Copper State Bolt & Nut Co.	Fender Washers (American Express 022010)	Edit Delete
1/31/2010	misc		Green Valley True Value	drill bit Inv # 43447	Edit Delete
1/30/2010	misc		Green Valley True Value	Blade, bits Inv # 43442	Edit Delete
1/2/2010	misc		Green Valley True Value	Poly Foam Brushes Inv # 42801	Edit Delete
12/17/2009	Electrical Cord		GV True Value	Inv # 42498	Edit Delete
11/30/2009	pin		Merle's Automotive	pin Inv# 05533654	Edit Delete
11/30/2009	Plate holder		Merle's Automotive	Plate holder Inv # 05533655	Edit Delete
11/11/2009	Fuse holder & connector		Merle's Automotive	Fuse holder & connector Inv # 05533121	Edit Delete
10/12/2009	EZ Out Set Specialized		United Fire	EZ out set Inv # 410074	Edit Delete
10/5/2009	Remote master stream nozzle repair		Elkhart Brass	Inlet body, harness, shaft, electric motor Inv # 501682	Edit Delete
8/6/2009	Window Tint		Dwight's Auto Glass	Window Tint Inv # 16237	Edit Delete



ALL OUT.

Chapter 2 Maintenance Manual

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ALL OUT.

2.1 Aerial Maintenance

Outrigger Beams

Ride on plastic guides - No lubrication required.

Main Lift Cylinders

Composite bushings - No lubrication required.

NOTE: There are four setscrews used as locking pins to secure the rod eye to the ram cylinder. These setscrews should be checked and re-tightened at this time.

Pivot Shaft Bearings

Located on the top of the upper assembly side plates are two pivot shaft bearings, one on each side, which rotate on the pivot shaft. The pivot shaft is attached permanently to the turntable side plates on the outside of the side plates. There are grease fittings installed on the pivot shaft bearings. These bearings should be lubricated with a good grade multipurpose grease every 10 hours of operation, or annually, whichever occurs first.

Turntable Bearing

This bearing and drive gear assembly is located directly under the turntable. The entire turntable and tower assembly rotates on this bearing. This bearing is pre-lubricated at the factory with a multipurpose grease. Grease fittings are provided on the top of the bearing accessible through the turntable openings, one each side of the turntable. Lubrication should be done two times per year. Use multipurpose grease.

NOTE: At this time, we recommend that all the bolts attaching the turntable to the bearing, and all the bolts attaching the bearing to the turntable base should be checked for tightness. They should be checked at 250 ft lb of torque.



DANGER

The person operating the turntable for bolt alignment must make sure that all persons and tools are free and clear before rotating.

The drive pinion gear and the turntable bearing gear have been lubricated with a special permanent elastic lubricant designed to last the life of the unit.

Rotation Worm Gear Reducer

This is the device that rotates the turntable and tower assembly. It is attached to the turntable below the boom.

It is driven by a hydraulic motor directly attached to the high-speed worm gear shaft. No lubrication is required for the hydraulic motor. On the main gear case, there are three plugs located on the left-hand outboard side. The top plug is the oil fill vent plug, the one on the side is the fill level plug, and the bottom one is the drain plug.

Under normal tower operation conditions, the lubricating oil in this gear reducer should be changed three months after the delivery date of the tower. After that, lubricating oil should be changed every 36 months (average 4 hours per day operation). Never overfill the unit. Check oil level every 3 months. Use a good grade of 90-weight gear lubricating oil. At the upper portion of the main gear case, there is a grease fitting. This fitting should be greased every 25 hours of operation or annually with a good grade of EP bearing grease.

There are three plugs on the primary high-speed gear housing. The one on top (1/4") is the filler-breather plug. The one on the side (1/4") is the lubricant-level plug, the one in the bottom of the high-speed gear housing (1/4") is the drain plug.

Maintain oil level to oil level plug. Check oil level every 3 months. Use a good grade of 90-weight gear lubricating oil.

On the high-speed worm gear shaft, there is one grease fitting located on the bearing end cap. This fitting should be greased twice a year with a good grade of EP bearing grease. Do not overgrease this bearing!



ALL OUT.

Aerial Extension/Retraction Cylinders

Located on each side of the first tower section is a cylinder which extends and retracts the tower assembly. There is only one point on the cylinder which requires lubrication; this being at the rod end eye mounting pin. A grease fitting is provided on the rod eye of the cylinder and should be lubricated two times per year. Use multipurpose grease. At each end of the cylinder there are bolts attaching the cylinder pin to the tower. These bolts should be checked every three months for tightness.

Sheaves and Cables

There are sheaves and cables which are part of the tower extension/retraction system from the second section on up. Each sheave has a poly bearing and requires periodic lubrication. In the sheave bearing pin, there is a grease fitting provided. Each sheave should be greased after every 10 hours of service or annually. We recommend the use of a high-grade chassis grease designed for heavy-duty service.

When servicing the sheaves, the tower should be extended horizontally to maximum position, and the cables wiped free of any dirt and/or grime with a slightly moist naphtha cloth and then lubricated with a thin film of oil. We find that oil on a cloth permits this to be done easily and adequately.



DANGER

Stabilizers must be set before performing this operation.



DANGER

If any strand of the cable is fractured or damaged, immediately lower the aerial and retract slowly. Remove from service until repaired.

Slide Blocks

These are the devices attached to the ends of the tower at both the upper and lower position on each section. They support each section of the tower, so no metal-to-metal contact can occur.

The material is UHMW polymer compound and is designed to withstand heavy loading. Lubrication is required in the path in which the slide blocks travel on each section.

Slide block paths have been coated with a dry lubrication, McLube 1708L, prior to the aerial being assembled.

The slide block paths should be coated with the McLube 1708L every 25 hours or more often when aerial is starting to vibrate or shimmy. You then should reapply on the boom sections where the McLube has worn. It is only necessary to reapply when McLube is missing or worn off on the load bearing area.

Before application of McLube 1708L, make sure the product is stirred well; the active ingredients will settle upon standing. Safety glasses and gloves are also recommended to avoid eye and skin contact.

This product can be purchased from:

McLube Division of McGee Industries
9 Crozerville Road, P. O. Box 2425
Aston, PA 19014-0425
Phone: 800-262-0425
e-mail: bob@mclube.com

There are exceptions to this schedule that should be considered. Should the tower be operated at a fire and exposed to excessive dirt and grime, we recommend that the slide block travel paths be cleaned and the tower be coated. Do not overcoat. A medium film of McLube in the path of the slide block travel is adequate.

Do not clean your aerial using any cleaning agents or solvents that can cause chemical degradation to plastic slide blocks or other parts made from the same UHMW material.



ALL OUT.

Cleaning agents or solvents containing the following chemicals should not be used: chlorine, benzene, toluene or any compound with a Ph over 10 (i.e., sodium hydroxide).

Use of agents containing the above chemical will void your warranty due to the fact that it may cause surface cracking of the UHMW plastic material.

Waterway and Seals

This is the telescopic tube device inside the tower that carries the water to the tower nozzle. It has seals which ride on the internal honed and hard-coated surface of the tubes. These seals are made with an impregnated lubricant and should be adequately self-lubricated and cleaned by the water that passes through the waterway. However, it will prolong the life of your waterway if it is wiped off periodically with a rag saturated with Dextron III.

The outside of the tubes are provided with nylon bearing collar assemblies built in the mounting collar of each section. The outside of the tubes should be kept wiped free of dirt and grime to protect the bearings. Should the aerial be used under extremely dirty conditions, the waterway should be wiped off before retracting to keep dirt from entering the bearings. The ladder is best accessed with it fully extended and lowered over one of the outriggers.

Consistent cleaning of the tower travel paths is the best and most inexpensive maintenance you can perform to keep the tower in perfect operation condition.



DANGER

Never extend or move the tower in any way while persons are on the tower.

NOTE: The hydraulic oil tank is located behind the outriggers control panel.

Hydraulic Oil Tank

Located behind the jack control panel, this tank has a capacity of 65 gallons. It has a special filter screen installed in the top of the tank and is where the oil level is checked. The oil level can be seen in the sight glass on the side of the tank. The hydraulic oil furnished in the tank is ATF DEXRON III.



CAUTION

When checking or adding oil, make sure all hydraulic systems are at rest (retracted). Failure to do so will result in overfilling the system.

Hydraulic Oil Filter

The hydraulic oil filter is located in the top of hydraulic tank. The oil should be changed after the first three months of service and changed annually thereafter.



CAUTION

This filter is a special Parker 10-micron filter and must be replaced with the same brand and model to maintain the hydraulic system warranty. Failure to do so could result in damage to the hydraulic system or poor operation of the tower.

1. Change filters and oil
2. Run the hydraulic system for 1 to 2 minutes to circulate oil through the system.
3. Check the oil level with dipstick on top of the tank and add oil to the proper level, if required.

Fuel Tank

The fuel tank is located behind rear axle. It has a capacity of 65 gallons. The filler for the tank is located on the left-rear fender panel. A nameplate marked Diesel Fuel Only is attached near the filler for proper identification. Use #2 diesel fuel under normal conditions.



2.2 Maintenance of Structure

Aluminum Tower Structure

The tower structure members are #6061-T6 aluminum alloy extrusion. This alloy is very resistant to corrosion and requires very little maintenance. Periodic washing with clear water only is recommended. Use mineral spirits for removal of tar, oil, and smoke film. If a brighter appearance is desired, use any quality automotive polish, a mag and aluminum wheel cleaner, or a Scotchbrite pad.

NOTE: Sutphen recommends that once a week the ladder should be raised to full elevation, full extension, then rotated completely 360 degrees in both directions.

Attachment of Support Structure to Truck Frame

There are twelve Huck bolts - retorque not required.

Any indication of loosening or bolt failure should be reported to Sutphen Corporation for evaluation and disposition.

NOTE: Sutphen recommends that once a week the ladder should be raised to full elevation, full extension, then rotated completely 360 degrees in both directions.

2.3 Sutphen-Recommended Torque Schedule for Various Fasteners

See drawing for location of various fasteners.

Section A - Side plate pivot shaft bearings. Bolts used are 1/2" standard thread with Stover lock nuts. Torque to 55 to 60 ft/lb.

Section B - Pivot shaft end caps. Bolts used are 7/16" Grade 8 in tapped holes in pivot shaft with lockwashers. Torque to 35 to 40 ft/lb. End cap to side plate bolts are 7/16" Grade 8 with Stover lock nuts. Torque to 35 to 40 ft/lb.

Section C - Waterway support brace between side plates of boom. Bolts used are 3/4" standard thread in tapped hole on end of brace assembly. Torque to 150 to 200 ft/lb.

Section D - Pin through lift cylinder rod eye each side with securing ear. Bolts used are 1/2" standard thread with Stover lock nuts. Torque to 40 to 50 ft/lb.

Section E - Winsmith speed reducer for rotation. Bolts used are 5/8" standard thread with torque washers and Stover lock nuts on Winsmith. Torque to 175 to 185 ft/lb. Base plate bolts are 1/2" standard thread with washers. Torque to 75 to 85 ft/lb.

Section F - Turntable bolts, top and bottom. Top bolts secure the turntable to the bearing assembly. The bottom bolts secure the turntable bearing to the turntable main frame assembly. Bolts used are 3/4-10. Torque to 225 to 250 ft/lb.

Section G - Curved crossplate between boom side plates. Bolts used are 3/8" grade 8 standard thread with lockwashers and nuts. Torque to 25 to 30 ft lbs.

Section H - Brace between boom side plates. Bolts are 3/4-10 with L-9 washer. Torque 150 to 200 ft/lb.

Section I - Pin through base of lift cylinder each side with securing ear. Bolts used are 1/2" standard thread with Stover nuts. Torque to 40 to 50 ft lbs.



ALL OUT.

Section J - Turntable main frame assembly secured to chassis frame rails. Bolts used are 16mm Grade 8 Huck bolts and do not require torquing.

Section K - Ground jack hydraulic cylinders attached to jack outrigger plates. Bolts used are 1" standard thread with Stover lock nuts. Torque to 550 to 600 ft/lb.

Section L - Pin through base of extend/retract cylinder each side with securing ear. Bolts used are 3/8" grade 8 standard thread with Stover lock nuts. Torque to 15 to 20 ft/lb.

Section M - Cross supports attached to boom assembly to support extend/retract cylinders on side of boom. Bolts used are 3/8" grade 8 standard thread with Stover lock nuts. Torque to 30 to 36 ft./lb. Section M also includes other brackets that hold sheaves and cable end brackets to each boom section. Bolts used are 3/8" standard thread with Stover lock nuts. Torque to 30 to 36 ft/lb.

Section N - Yoke side plates are attached to the fly section of the boom each side. Bolts used are 3/8" standard thread with Stover lock nuts. Torque to 25 to 30 ft/lb.

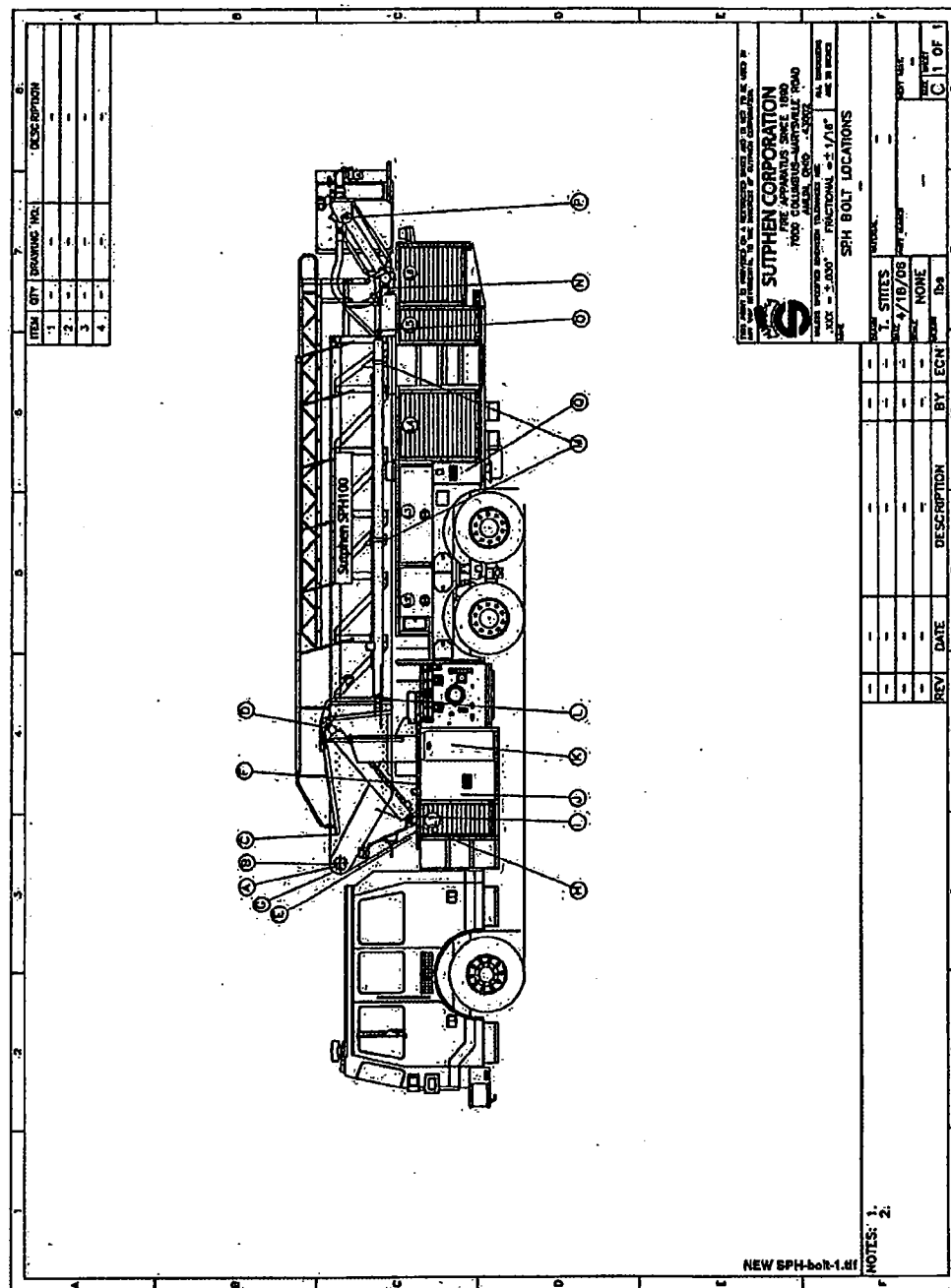
Section O - Bolt through rod eye of extend/retract cylinder each side. Bolts used are 3/4" standard thread with Stover lock nuts. Torque to 140 to 160 ft/lb.

Section P - Bolts that secure platform to yoke assembly. These are 3/4" standard thread special hardened bolts secured with Stover lock nuts. These do not require a full torque rate, as they are locked in place by the pivot bearing attached to the platform. Torque to 50 to 60 ft/lb.

Section Q - Rear jack cylinder U-bolt nuts, snug. Do not overtighten.

Model SPH 100 Aerial Platform Operator and Maintenance Manual

Maintenance Manual





ALL OUT.

CABLE ADJUSTMENT PROCEDURE: SPH 100

OBJECTIVE: TO SET PROPER TENSION IN EXTEND/RETRACT CABLES BY ADJUSTING SECTION TO SECTION GAPS. ONLY THE "DROOP" IN THE CABLES SHOULD BE TAKEN OUT WHEN ADJUSTING THEM. DO NOT OVER-TIGHTEN THE ADJUSTMENT BOLTS.

STEP 1: EXTEND BOOM FULLY IN THE HORIZONTAL POSITION. EXTEND CABLES WILL BE TIGHT. RETRACT CABLES SHOULD BE LOOSE. MEASURE THE EXTENDED DISTANCE FROM THE 2ND SECTION TO THE 3RD SECTION. IT SHOULD BE APPROXIMATELY 179.25 INCHES. SUBTRACT 179.25 FROM THE ACTUAL DISTANCE MEASURED. THAT DIFFERENCE IS THE AMOUNT OF ADJUSTMENT NEEDED AT THE CABLE BOLT. FOR EXAMPLE: IF THE DIFFERENCE IS .50 INCHES. THEN THE ADJUSTING NUT ON THE CABLE MUST BE TURNED 5 TURNS IN STEP 2. (THE CABLE BOLT HAS 10 THREADS PER INCH, SO EACH TURN OF THE NUT WILL PROVIDE .10 INCH OF ADJUSTMENT).

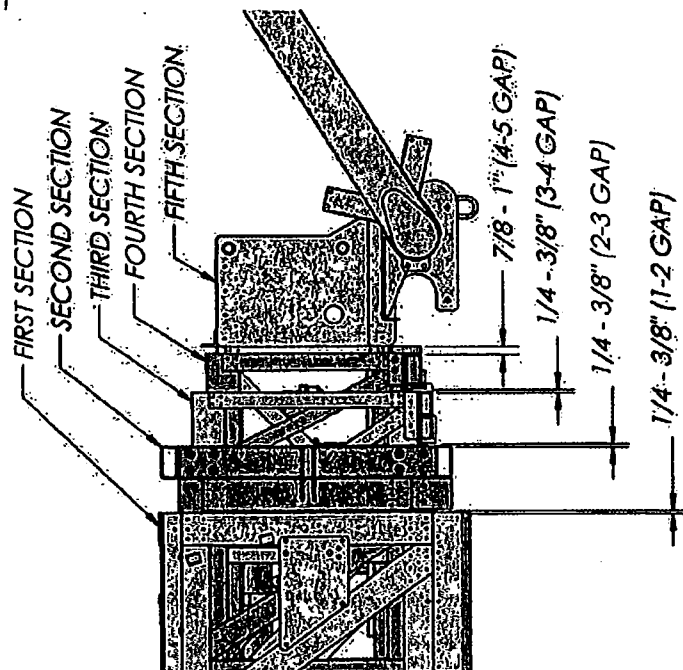
STEP 2: RETRACT THE BOOM 1-2 INCHES AS MEASURED AT THE EXTEND/RETRACT CYLINDERS. LOOSEN THE JAM NUTS ON THE EXTEND CABLES FROM SECTION 1 TO 3 AND ADJUST THE ADJUSTMENT NUTS BY THE NUMBER OF TURNS DETERMINED IN STEP 1.

STEP 3: RETRACT BOOM SEVERAL FEET AND THEN FULLY EXTEND. RECHECK EXTENSION OF SECTION 3. IT SHOULD BE 179.25 TO 179.375 INCHES.

STEP 4: ADJUST RETRACT CABLES FROM SECTION 1 TO 3 TO REMOVE "DROOP". DO NOT OVER-TIGHTEN.

STEP 5: REPEAT STEPS 1 THRU 4 FOR THE 4TH SECTION MAKING ADJUSTMENTS TO THE CABLES CONNECTING SECTIONS 2 AND 4.

STEP 6: REPEAT STEPS 1 THRU 4 FOR THE 5TH SECTION MAKING ADJUSTMENTS TO THE CABLES CONNECTING SECTION 3 AND 5.



SPH 100 AERIAL
CABLE ADJUSTMENT PROCEDURE
EXTEND/RETRACT CYLINDER STROKE: 179"

AT-C-6403 REV A.0 8/28/07

OPERATOR AND MAINTENANCE MANUAL DELIVERY DOCUMENT

Dear **FIRE CHIEF OR TRAINING OFFICER,**

This date, 24 JULY 09, Sutphen Corporation delivered to

[REDACTED]
(Fire Department)

2 Operator/Service Manual(s) for
(No. Rec'd)

Service and operation of [REDACTED]

1. Sutphen recommends the manual be thoroughly read and studied before trying to operate this apparatus.
2. Sutphen further recommends that this manual be readily available to persons operating and/or servicing this equipment.
3. Sutphen also recommends that no operator drive or work on Sutphen apparatus without being trained by Training Officer or person(s) attending the Demonstration of Operation.
4. We recommend that users of the apparatus view the video/cd with the training officer prior to use of the vehicle.
5. We recommend that the driver be certified or be CDL licensed before driving the apparatus.

Included with these manuals: Video(s) as indicated below

SUTPHEN DEMO & HYD & ELEC ROM
CLASS 1 HALE MERITOR

We recommend the above as we want to eliminate any potential injury resulting from the misuse or negligence on the part of the operator. This is why it is so important to have properly trained personnel to operate the Sutphen apparatus.

Purchase Order 09-50005

Purchase Order

Vendor

Name Sutphen, Inc.
Address _____
City _____ State _____ ZIP _____
Terms As agreed

PO Date 07/30/08
Good To 9/30/2009

Qty	Description	Unit Price	TOTAL
2	Sutphen Custom Pumpers	\$334,058.40	\$668,116.80
1	Sutphen Custom Aerial Platform Vehicle	\$942,216.00	\$942,216.00
SubTotal			\$1,610,332.80
TOTAL			\$1,610,332.80

Payment Details

Cust

Appr

Office Use Only



FAMILY OWNED
SINCE 1890

Note: If The [REDACTED] Fire District decides to purchase the Truck and both Engines and have them built by Sutphen, The Sutphen Corporation would be pleased to offer a concession of \$25,000 off of the total lump sum of three (3) apparatus.

Respectfully,

Scott Herb

Western Sales Manager
Sutphen Corporation
[REDACTED]

Sutphen Corporation
7000 Columbus-Marvsville Road Amlin, OH 43002
Tel 614 889-1005 Toll Free 800 848-5860 Fax 614 889-0874
Web www.sutphen.com Email info@autophencorp.com



SUTPHEN

FAMILY OWNED
SINCE 1890

October 1, 2009

Re: Sutphen Contract for
Sutphen Aerial Platform

Dear Customer,

We are excited to announce that Sutphen Towers and Sutphen Corporation have merged Service & Parts into one division. We know this merger will benefit all of our customers. We ask that during this time you are patient with us as we begin this endeavor.

The following letter is applicable to Sutphen aerial units. Because our unit is a specialized piece of apparatus and requires special technical abilities, tools and background, we believe it would be advantageous to our customer and Sutphen to have a Company representative visit your department regarding service and maintenance for your aerial platforms(s).

This consists of:

- Inspection of chassis and components (excluding the air brake system)
- Inspection of the fire pump, valves and accessories
- Inspection of the hydraulic system, pressure and operation
- Complete inspection of the ladder, components and lubrication
- Check torque settings of aerial base and all main fasteners

We propose, for the sum of \$1200.00 per year, to have our Company representative make one visit to your department annually. Any parts needed and not under warranty, along with any additional time, beyond eight (8) hours, would be billed extra to you. This \$1200.00 will take care of our representative's lodging, meals, mileage and transportation expenses. If you have multiple units, the first unit is \$1200.00 and each additional unit is \$100.00/hour.

We believe this is a very reasonable cost and would be beneficial to you and Sutphen. If you would like to take advantage of this service, please sign the agreement attached and return it to us. Due to scheduling and logistics we need this back **within the next sixty (60) days**. Realizing that fiscal years vary, we can work with billing to accommodate your department. Please feel free to note restrictions you encounter in the comments section. Due to budget/fiscal years with some departments/municipalities, we may have an outstanding letter open from 2009. Due to our computer set up, we prefer no advance payments. Also, we are unable to guarantee a specific time of year for this service to be completed; most will be scheduled and completed the last half of 2010. However, we will try to meet everyone's requests.

Also, changes are inevitable, so we are asking if you would take a moment to complete the form included herewith to assist us in updating our files. Then, return same at your earliest convenience.

If you should have any questions regarding the Service Contract, please contact Sutphen Service at 1-866-287-5549. Thank you for your cooperation; it is appreciated.

Very truly yours,
SUTPHEN CORPORATION

Drew Sutphen, President

Service Department
Sutphen Corporation

1653 W. County Line Rd., P.O. Box 1845, Springfield, Ohio 45501
Tel: 937-969-8851, Toll Free: 866-287-5549, Fax: 937-969-8869
Web: www.sutphen.com, E-Mail: Sutphen@sutphencorp.com

Vehicle Acceptance Check List

Vehicle Description: 2009 Sutphen Aerial

Shop # 3140

Planned Vehicle Location: _____

VIN # 1S9A3JLE89

This checklist should be used for any vehicle purchased by the _____ fire District. The list needs to remain on a clipboard in the vehicle through Step 10 and then forwarded to the finance department for review and filing.

Initial & Date

1. 8-12 New Vehicle inspected and check list initiated (Fleet Battalion/Operations Chief)
2. 7/28 Vehicle Identification Number (VIN#) called to Accounting Specialist (AS) by Fleet BC
3. 7/28 Accounting Specialist notifies Office Assistant to make new vehicle file and assign Shop #
4. 7/28 ~~Secure Odometer Disclosure form completed and Acceptance papers signed by OPS Chief and forwarded to Office Assistant~~ Odometer Disclosure Statement to MVD
5. 7/28 Insurance company notified and provided with VIN# to obtain insurance card and add to District policy by Accounting Specialist
6. 7/28 Fleet BC to Motor Vehicle Division with vehicle for licensing. Paperwork needed includes Invoice, Proof of Insurance, Secure Odometer Disclosure, Manufacturer's Certificate of Origin (MCO), Temporary Title and Registration. License plate must be a government plate starting with the letter G.
7. 7/28 Fleet BC provides copies of all paperwork to Office Assistant for fleet file under Shop #
8. 7/28 Cheryl Davis Fleet BC (or his/her designee) puts license plates on vehicle
9. 8-12 Copy of full set of keys (including tool boxes, ignition, gas, etc) made for new vehicle and given to Office Assistant for back up
10. 7/28 Original title to Admin Chief for safety deposit box. Copies of Insurance and Registration given to Office Assistant for fleet file and also to Fleet BC to place in the vehicle

Signatures Needed upon Completion:

Administrative Division Chief

8-12-17
Date

8/20/09
Date

INSURANCE IDENTIFICATION CARD
STATE **Arizona**
COMPANY NUMBER [REDACTED] COMPANY
American Alternative Ins Corp
EFFECTIVE DATE **07/01/12** EXPIRATION DATE **07/01/13**
YEAR **2009** MAKE/MODEL **Sutphen Pumper** VEHICLE IDENTIFICATION NUMBER **189A3JLE891**
AGENCY/COMPANY ISSUING CARD
THE MAHONEY GROUP

OP ID 1A

THIS CARD MUST BE KEPT IN THE INSURED
VEHICLE AND PRESENTED UPON DEMAND

IN CASE OF ACCIDENT: Report all accidents
to your Agent/Company as soon as possible.
Obtain the following information:

1. Name and address of each driver,
passenger and witness.
2. Name of Insurance Company and policy
number for each vehicle involved.

INSURED

AZ

INSURANCE IDENTIFICATION CARD
STATE **Arizona**

OP ID. 1A

COMPANY NUMBER
19720

COMPANY
American Alternative Ins Corp

THIS CARD MUST BE KEPT IN THE INSURED
VEHICLE AND PRESENTED UPON DEMAND

POLICY NUMBER

EFFECTIVE DATE
07/01/11

EXPIRATION DATE
07/01/12

YEAR
2009

MAKE/MODEL
Sutphen Pumper

VEHICLE IDENTIFICATION NUMBER
189A3JLE891

IN CASE OF ACCIDENT: Report all accidents
to your Agent/Company as soon as possible.
Obtain the following information:

1. Name and address of each driver,
passenger and witness.
2. Name of Insurance Company and policy
number for each vehicle involved.

INSURED

AZ

COVERAGE MEETS MINIMUM LIABILITY INSURANCE PRESCRIBED BY LAW

ADOPTED 20 JAN (2/25)



OP ID: 1A

EVIDENCE OF PROPERTY INSURANCE

DATE (MM/DD/YYYY)

THIS EVIDENCE OF PROPERTY INSURANCE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE ADDITIONAL INTEREST NAMED BELOW. THIS EVIDENCE OF PROPERTY INSURANCE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

AGENCY THE MAHONEY GROUP - TUCSON 5330 N. La Cholla Blvd Tucson, AZ 85741-3815 Drew A. Newton ARM, CIC, CPCU		PHONE [REDACTED]		COMPANY American Alternative Ins Corp	
FAX [REDACTED] 520-795-8542		E-MAIL ADDRESS [REDACTED]		COPY	
CODE [REDACTED]		SUB CODE [REDACTED]			
AGENCY CUSTOMER ID [REDACTED]		INSURED [REDACTED]			
LOAN NUMBER [REDACTED]		POLICY NUMBER [REDACTED]			
EFFECTIVE DATE 07/01/12		EXPIRATION DATE 07/01/13		CONTINUED UNTIL TERMINATED IF CHECKED ☐	
THIS REPLACES PRIOR EVIDENCE DATED: [REDACTED]					

PROPERTY INFORMATION

LOCATION/DESCRIPTION 250 N La Canada Green Valley, AZ 85614
THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS EVIDENCE OF PROPERTY INSURANCE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

COVERAGE INFORMATION

COVERAGE / PERILS / FORMS	AMOUNT OF INSURANCE	DEDUCTIBLE
250 N La Canada BLDG - GRC No Coinsurance	2170719	500.00
398 N Campbell BLDG - GRC No Coinsurance	1815162	500.00
Vehicles are Agreed Value		
2008 Nissan 5N1AA08DC	28000	500.00
2008 Ford 1FTRX12W2	23000	500.00
2008 Ford 1FTRX12W88	23000	500.00
2008 Ford 3FAHP06Z98F	17000	500.00
2008 Ford 1FTYR14D28F	17000	500.00
2008 Stephen 1S8A1HL	336000	500.00
2008 Stephen 1S8A1HL	336000	500.00
2008 Stephen 1S8A3JL	974000	500.00

REMARKS (Including Special Conditions)

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CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL _____ DAYS WRITTEN NOTICE TO THE ADDITIONAL INTEREST NAMED BELOW, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

ADDITIONAL INTEREST

NAME AND ADDRESS The Bank of New York Mellon Trust Company NA 1225 W Washington St #128 Tempe, AZ 85281	☐ MORTGAGEE	☒ ADDITIONAL INSURED
	☒ LOSS PAYEE	
	LOAN # [REDACTED]	
	AUT [REDACTED]	

ACORD 27 (2008/07)

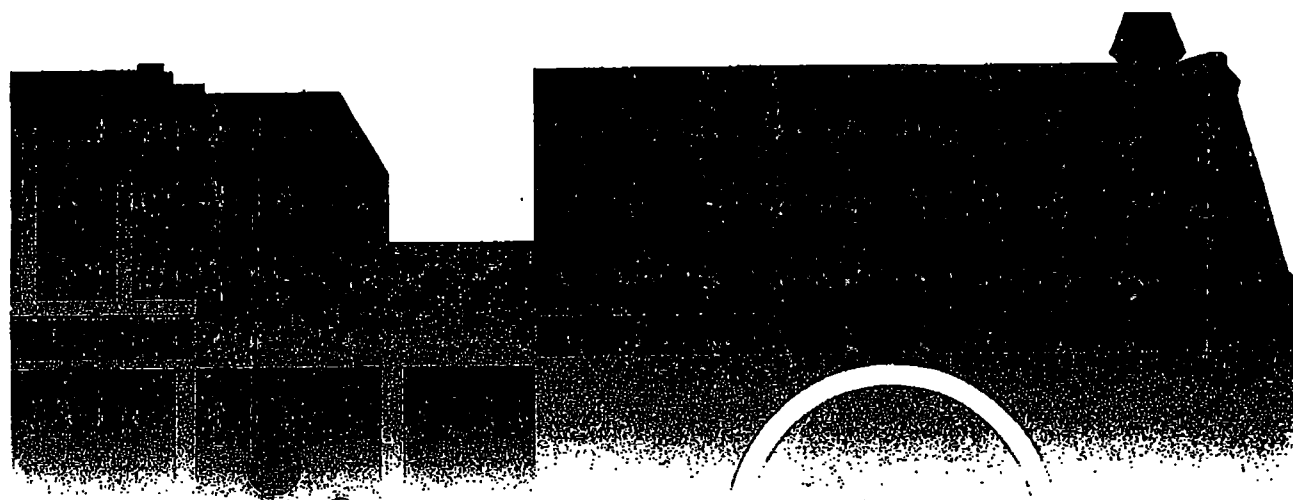
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Cummins Warranty

United States and Canada
Fire Apparatus/Crash Trucks



Coverage

Products Warranted

This warranty applies to new diesel Engines sold by Cummins and delivered to the first user on or after August 1, 2001, that are used in fire apparatus truck and crash truck* applications in the United States** or Canada.

Base Engine Warranty

The Base Engine Warranty covers any failures of the Engine which result, under normal use and service, from a defect in material or factory workmanship (Warrantable Failure). This coverage begins with the sale of the engine by Cummins and ends five years or 100,000 miles (160,935 kilometers), whichever occurs first, after the date of delivery of the Engine to the first user.

Engine aftertreatment components included in the Cummins Critical Parts List (CPL) and marked with a Cummins part number are covered under Base Engine Warranty.

Additional coverage is outlined in the Emission Warranty section.

These warranties are made to all Owners in the chain of distribution and Coverage continues to all subsequent Owners until the end of the periods of Coverage.

Cummins Responsibilities

Cummins will pay for all parts and labor needed to repair the damage to the Engine resulting from a Warrantable Failure.

Cummins will pay for the lubricating oil, antifreeze, filter elements, belts, hoses and other maintenance items that are not reusable due to the Warrantable Failure.

Cummins will pay for reasonable labor costs for Engine removal and reinstallation when necessary to repair a Warrantable Failure.

Cummins will pay reasonable costs for towing a vehicle disabled by a Warrantable Failure to the nearest authorized repair location. In lieu of the towing expense, Cummins will pay reasonable costs for mechanics to travel to and from the location of the vehicle, including meals, mileage, and lodging when the repair is performed at the site of the failure.

Owner Responsibilities

Owner is responsible for the operation and maintenance of the Engine as specified in Cummins Operation and Maintenance Manuals. Owner is also responsible for providing proof that all recommended maintenance has been performed.

Before the expiration of the applicable warranty, Owner must notify a Cummins distributor, authorized dealer or other repair location approved by Cummins of any Warrantable Failure and make the engine available for repair by such facility. Except for Engines disabled by a Warrantable Failure, Owner must also deliver the Engine to the repair facility. Locations in the United States and Canada are listed in the Cummins United States and Canada Sales and Service Directory.

Owner is responsible for the cost of lubricating oil, antifreeze, filter elements and other maintenance items provided during warranty repairs unless such items are not reusable due to the Warrantable Failure.

Owner is responsible for communication expenses, meals, lodging and similar costs incurred as a result of a Warrantable Failure.

Owner is responsible for non-Engine repairs and for "downtime" expenses, cargo damage, fines, all applicable taxes, all business costs and other losses resulting from a Warrantable Failure.

Owner is responsible for a \$100 (U.S. Dollars) deductible per each service visit under this plan in the 3rd, 4th, and 5th years of base engine warranty. The deductible will not be charged during the first 2 years of the base engine warranty.

Limitations

Cummins is not responsible for failures or damage resulting from what Cummins determines to be abuse or neglect, including but not limited to: operation without adequate coolants or lubricants; overfueling; overspeeding; lack of maintenance of lubricating, cooling or intake systems; improper storage, starting, warm-up, run-in or shutdown practices; unauthorized modifications of the Engine. Cummins is also not responsible for failures caused by incorrect oil, fuel or catalytic reagent or by water, dirt or other contaminants in the fuel, oil or catalytic reagent.

This warranty does not apply to accessories supplied by Cummins which bear the name of another company. Such non-warranted accessories include, but

are not limited to: alternators, starters, fans, air conditioning compressors, clutches, filters, transmissions, torque converters, vacuum pumps, power steering pumps, fan drives and air compressors. Cummins branded alternators and starters are covered for the first two years from the date of delivery of the Engine to the first user, or the expiration of the Base Engine Warranty, whichever occurs first.

Failures resulting in excessive oil consumption are not covered beyond the duration of the coverage or 100,000 miles (160,935 kilometers) or 7,000 hours from the date of delivery of the Engine to the first user, whichever of the three occurs first. Before a claim for excessive oil consumption will be considered, Owner must submit adequate documentation to show that consumption exceeds Cummins published standards.

Failures of belts and hoses supplied by Cummins are not covered beyond the first year from the date of delivery of the Engine to the first user or the duration of the warranty, whichever occurs first.

Parts used to repair a Warrantable Failure may be new Cummins parts, Cummins approved rebuilt parts, or repaired parts. Cummins is not responsible for failures resulting from the use of parts not approved by Cummins.

A new Cummins or Cummins approved rebuilt part used to repair a Warrantable Failure assumes the identity of the part it replaced and is entitled to the remaining coverage hereunder.

Cummins Inc. reserves the right to interrogate Electronic Control Module (ECM) data for purposes of failure analysis.

CUMMINS DOES NOT COVER WEAR OR WEAROUT OF COVERED PARTS.

CUMMINS IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

THIS WARRANTY AND THE EMISSION WARRANTY SET FORTH HEREINAFTER ARE THE SOLE WARRANTIES MADE BY CUMMINS IN REGARD TO THESE ENGINES. CUMMINS MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OR OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Emission Warranty

Products Warranted

This emission warranty applies to new Engines marketed by Cummins that are used in the United States** in vehicles designed for transporting persons or property on a street or highway. This warranty applies to Engines delivered to the first user on or after September 1, 1992.

Coverage

Cummins warrants to the first user and each subsequent purchaser that the Engine is designed, built and equipped so as to conform at the time of sale by Cummins with all U.S. Federal emission regulations applicable at the time of manufacture and that it is free from defects in material or factory workmanship which would cause it not to meet these regulations within the longer of the following periods: (A) Five years or 100,000 miles (160,935 kilometers) of operation, whichever occurs first, as measured from the date of delivery of the Engine to the first user or (B) The Base Engine Warranty.

If the vehicle in which the Engine is installed is registered in the state of California, a separate California Emission Warranty also applies.

Limitations

Failures, other than those resulting from defects in material or factory workmanship, are not covered by this Warranty.

Cummins is not responsible for failures or damage resulting from what Cummins determines to be abuse or neglect, including, but not limited to: operation without adequate coolants or lubricants; overfueling; overspeeding; lack of maintenance of lubricating, cooling or intake systems; improper storage, starting, warm-up, run-in or shutdown practices; unauthorized modifications of the Engine. Cummins is also not responsible for failures caused by incorrect oil, fuel or catalytic reagent or by water, dirt or other contaminants in the fuel, oil or catalytic reagent.

Cummins is not responsible for non-Engine repairs, "downtime" expenses, cargo damage, fines, all applicable taxes, all business costs or other losses resulting from a Warrantable Failure.

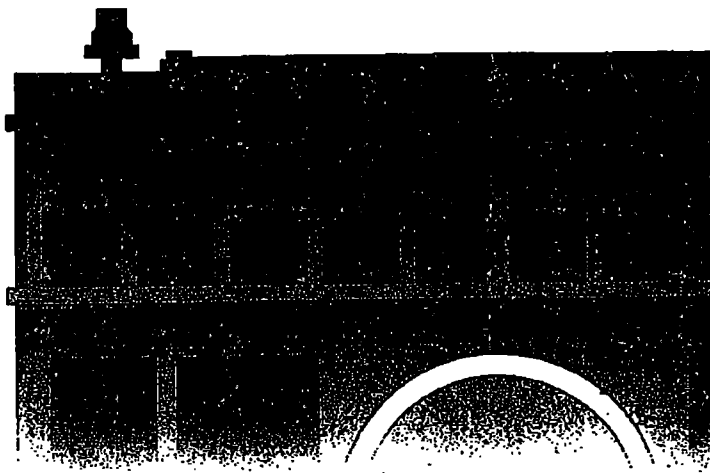
CUMMINS IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

* Airport operated crash trucks and fire department operated trucks employed to respond to fires,



hazardous material releases, rescue and other
emergency-type situations.

** United States Includes American Samoa, the
Commonwealth of Northern Mariana Islands, Guam,
Puerto Rico, and the U.S. Virgin Islands.



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U.S.A.

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SUTPHEN[®]

CORPORATION

STANDARD VEHICLE WARRANTY

SUTPHEN CORPORATION (Sutphen) warrants to the original purchaser of a Sutphen vehicle, that it will provide for repairs to the Sutphen vehicle during the warranty period, in accordance with the following items, conditions, limitations and exclusions.

1. ---What is covered except as otherwise stated below: Sutphen shall provide repair or replacement, at the sole option of Sutphen, of any part of a Sutphen vehicle in which a defect in materials or workmanship appears under normal use, maintenance or service.
2. ---Warranty period: This limited warranty is in effect for a period of twelve (12) months or 24,000 miles, whichever comes first. The warranty period will begin on the date the vehicle is delivered to the original purchaser. This limited warranty is void if the odometer has been disconnected, its reading has been altered, or true and accurate mileage cannot be otherwise determined by Sutphen.
3. ---Other warranties: The manufacturers of other equipment and components, installed on the vehicle, including but not limited to engine, transmission, axles, pumps and signaling devices and other installed equipment, may provide their own warranties. These warranties are separate from the Sutphen Limited Warranty and shall constitute the sole and exclusive warranty for those specific covered components. Sutphen shall have no duty or obligation to repair or replace such components. Please review each manufacturer's warranty for descriptions and details of their respective warranty.
4. ---Purchaser responsibilities: Normal maintenance such as those detailed in the Sutphen Operation and Maintenance Manuals are the responsibility of the purchaser. Failure to comply with such maintenance voids this limited warranty.
5. ---What is not covered: This limited warranty covers only repair or replacement of any part of a Sutphen vehicle in which a defect in materials or workmanship appears within the limited warranty period.
Examples of items not covered include, but are not limited to:
 - A. Major components or trade accessories such as purchased chassis, engines, signaling devices, batteries, tires, transmission or generator that have a separate warranty by the original manufacturer, or equipment used in fire fighting.
 - B. Unauthorized alteration or modification to the vehicle, including the body, chassis or components, after completion of the vehicle assembly by Sutphen and any problems that occur as a result of such alterations or modifications.
 - C. Damage caused by collision, fire, theft, freezing, vandalism, riot, explosion, acts of God, war or objects striking the vehicle or any damage covered by owner insurance.
 - D. Damage caused by misuse or improper operation of the vehicle such as driving over curbs, overloading, racing or off-road use.
 - E. Damage caused by failure to follow the requirements of the maintenance schedule, failure to maintain proper fluid and lubricant levels and failure to follow operating instructions.
 - F. Normal maintenance such as lubrication, filter replacement, fluid replacement, belts, hoses, clutch, brake linings, brake drums, or disc brake rotors and electric accessories, etc.
 - G. Batteries, tires, light bulbs.
 - H. Towing charges and storage expenses.
 - I. Incidental expenses such as loss of vehicle use, inconvenience, loss of time, vehicle rental, lodging or travel costs, vacation pay, etc.
 - J. Discharge and compound gauges from freezing.
 - K. Leaking seals on discharge and suction valves.
 - L. Damage caused from exposure to road de-icing compounds or use in an acidic environment.
 - M. Hydraulic failures caused by incorrect or contaminated oil.

continued

- N. This warranty terminates upon transfer or ownership of the vehicle from the original purchaser.
- O. Damage caused from not following cab and body washing and care procedures located on truck and in operation and maintenance manual.

6. ---Obtaining repairs:

- A. All limited warranty work must be authorized by Sutphen prior to repairs being attempted.
- B. To obtain limited Warranty Repairs the vehicle must be taken by customer to an Authorized Sutphen Service Center within the limited warranty period. To find the name and location of the nearest Authorized Sutphen Service Center in your area, call 1-800-728-7080 or 1-800-848-8860 or write Sutphen/Warranty Administration, 7000 Columbus-Marysville Rd., Amlin, OH 43002.
- C. Sutphen reserves the right to inspect the vehicle before repairs are made and Sutphen shall be deemed the sole judge as to whether there is a defect in materials or workmanship under normal use, maintenance or service.
- D. Any part or parts considered to be covered by the conditions of this warranty shall be returned, freight prepaid, to Sutphen, or to such other location as may be approved by the company. Replacement or repair of parts determined to be within the warranty shall be F.O.B. at Sutphen.
- E. In an emergency, where an Authorized Sutphen Service Center is not reasonably available, contact Sutphen Service Department for instructions. Repairs may be performed, at purchaser's risk, at any available service establishment chosen by purchaser. Purchaser must contact Sutphen Service Department the first business day after completion of repairs. Approved repair invoices must be received by Sutphen within sixty (60) days of repairs. Upon Sutphen's receipt of invoice, Sutphen will review the invoice for reimbursement to the purchaser. Any reimbursement will consist only of the reasonable and customary repair expenses normally covered under the Sutphen Limited Warranty. Sutphen will assume no liability and will not warrant the workmanship or components which are the subject of any reimbursement under this policy.

7. ---Warranty limitations:

- A. Nothing contained in this warranty shall make Sutphen liable beyond the express limitations hereof, for loss, injury or damage of any kind to any person or entity resulting from any defect or failure in the machine.
- B. To the extent permitted by law, this warranty is also in lieu of all other obligations or liabilities on the part of Sutphen or the Seller, including liability for incidental and consequential damages.
- C. Sutphen makes no representation that the machine has the capacity to perform any functions other than as contained in the company's written literature, catalogs or specifications accompanying delivery of the machine.
- D. No person or affiliated company representative is authorized to give any other warranties or to assume any other liability on behalf of Sutphen in connection with sale, service or repair of any apparatus manufactured by the company.
- E. Sutphen reserves the right to make design changes or improvements in its products without imposing any obligation upon itself to change or improve previously manufactured products.

THIS WARRANTY IS PROVIDED IN EXCLUSION OF ANY AND ALL OTHER REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED. NO PERSON IS AUTHORIZED TO MAKE ANY REPRESENTATIONS OR WARRANTIES ON BEHALF OF SUTPHEN CORPORATION OTHER THAN SET FORTH HEREIN. ANY MODIFICATION TO THIS WARRANTY MUST BE IN WRITING AND APPROVED BY THE PRESIDENT OF SUTPHEN CORPORATION. THE PROVISIONS OF THIS LIMITED WARRANTY SHALL CONSTITUTE THE SOLE AND EXCLUSIVE REMEDIES OF A SUTPHEN VEHICLE PURCHASER.

For more information contact:

Sutphen Corporation/Warranty Admin. • 7000 Columbus-Marysville Rd. • Amlin, OH 43002
(614) 888-1005 Toll Free (800) 728-7080 or (800)848-8860



SUTPHEN[®]

CORPORATION

SEVEN (7) YEARS PAINT WARRANTY

SUTPHEN CORPORATION (Sutphen) warrants vehicle exterior paint finish of fire apparatus against peeling, cracking, and lack of adhesion, provided the vehicle is used in a normal and reasonable manner. This warranty is extended only to the original user/purchaser.

Sutphen's obligation under this warranty is strictly limited to repairing or replacing as the company may elect. The company reserves the right to require any such repairs to be made either at a company owned service facility or another approved service facility at the company's option. Transportation cost to and from the servicing location is the responsibility of the user/purchaser. Further, this warranty shall be void if the vehicle is involved in an accident, shows signs of abuse, or evidence of being operated in an improper manner.

Periodically check apparatus for chips and scratches in the paint and repair them with touch-up paint furnished upon delivery, or equal. Several times a year wash underneath the apparatus, especially during winter months. If power wash is used, use a fan spray only or it may damage the undercoating or paint. If damage of undercoating or paint occurs, prime, paint, and re-undercoat areas where bare metal is showing.

Take truck in yearly to Ziebart, for first ten (10) years, to have undercoat inspected by an Authorized Ziebart Dealer and they will do any touch-up of undercoating under truck for ten (10) years under Ziebart Warranty.

Sutphen's obligation under this warranty is subject to the conditions precedent (1) that the claimed failure shall have first appeared during the warranty period; (2) that the original purchaser shall have notified Sutphen in writing of the claimed failure within thirty (30) days after the claimed failure shall have first appeared, and (3) that, unless Sutphen directs otherwise, the claimed failed item or items shall have been returned to Sutphen, or to Sutphen designee, promptly after the notification, with transportation charges prepaid. Sutphen reserves the right to thoroughly examine the vehicle or parts thereof, prior to conducting or approving any repair or replacement, to determine whether the claimed failure is covered by this warranty. Sutphen's obligation under this warranty is strictly limited to repair or replacement as the company may elect. The warranty is pro-rated for a period of seven (7) years from the date of delivery, as follows: first year, one hundred percent; second year, seventy percent; third year, sixty percent; fourth year, forty-five percent; fifth year, thirty-five percent; sixth year, twenty-five percent; and seventh year, twenty percent.

This limited warranty covers only repair or replacement of any part of a Sutphen vehicle in which a defect in materials or workmanship appears within the limited warranty period. Examples of items not covered include, but are not limited to:

- A. --- Major components or trade accessories such as purchased chassis, engines, signaling devices, batteries, generators, tires or transmissions that have a separate warranty by the original manufacturer, or to equipment used in fire fighting.
- B. --- An unauthorized alteration or modification to the vehicle, including the body, chassis or components, after completion of the vehicle assembly by Sutphen and any problems that occur as a result of such alterations or modifications.
- C. --- Damage caused by collision, fire, theft, freezing, vandalism, riot, explosion, acts of God, war or objects striking the vehicle or any damage covered by owner insurance.
- D. --- Damage caused by misuse or improper operation of the vehicle such as driving over curbs, overloading, racing or off-road use.
- E. --- Damage caused by failure to follow the requirements of the maintenance schedule, failure to maintain proper fluid and lubricant levels and failure to follow operating instructions.
- F. --- Incidental expenses such as loss of vehicle use, inconvenience, loss of time, vehicle rental, loading or travel costs, vacation pay, etc.
- G. --- Gold leaf or striping and Scotchlite emblems or decals, except that which is affected by repair.
- H. --- Damage caused from exposure to road de-icing compounds or use in an acidic environment.

continued

- I. --- Damage caused from not following cab and body washing procedures on truck and in Operation and Maintenance manual.
- J. --- Defects if vehicle is damaged, dented, scratched or rusted from severe salt or road corrosive materials, or faded or discolored by exposure to heat or severe sun conditions or environmental conditions.
- K. --- This warranty shall not apply to non-exterior surface areas (i.e. compartment interiors, undercarriages).
- L. --- This warranty shall only apply to exterior coatings applied by Sutphen Corporation and specifically excludes all coating applications applied by other manufacturers including chassis and chassis compartments.
- M. --- This warranty shall exclude accessory vendor equipment that is painted to match the finished vehicle.
- N. --- This warranty shall exclude painted roll-up doors.
- O. --- Hazing, chalking or loss of gloss caused by improper care, abrasive polishes, cleaning agents, heavy duty pressure washing or aggressive mechanical wash system.
- P. --- Paint deterioration caused by abuse, accidents, acid rain, chemical fallout or acts of nature.
- Q. --- Accidents, scratches, chips, bruises and gloss reduction due to normal vehicle use and maintenance.

This warranty terminates upon transfer of possession or ownership of the vehicle from the original purchaser.

THIS WARRANTY IS PROVIDED IN EXCLUSION OF ANY AND ALL OTHER REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED. NO PERSON IS AUTHORIZED TO MAKE ANY REPRESENTATIONS OR WARRANTIES ON BEHALF OF SUTPHEN CORPORATION OTHER THAN SET FORTH HEREIN. ANY MODIFICATION TO THIS WARRANTY MUST BE IN WRITING AND APPROVED BY THE PRESIDENT OF SUTPHEN CORPORATION. THE PROVISIONS OF THIS LIMITED WARRANTY SHALL CONSTITUTE THE SOLE EXCLUSIVE REMEDIES OF A SUTPHEN VEHICLE PURCHASER.

For more information contact:

Sutphen Corporation/Warranty Admin. • 7000 Columbus-Marysville Rd. • Amlin, OH 43002
(614) 889-1005 Toll Free (800) 726-7030 or (800) 848-5860



SUTPHEN®

CORPORATION

LIFETIME FRAME WARRANTY

SUTPHEN CORPORATION (Sutphen) warrants to the original user/purchaser only of a Sutphen chassis, that the frame rails are free of defects in material and workmanship, ordinary wear and tear excepted, for the lifetime of the vehicle.

Sutphen's obligation under this warranty is strictly limited to repairing, as the company may elect, any part or parts of such frame rails which the company's examination discloses to be defective in material or workmanship. The company reserves the right to require any such repairs to be made either at a company owned service facility or another approved service facility at the company's option. Transportation cost to and from the servicing location are the responsibility of the user/purchaser.

Sutphen's obligation under this warranty is subject to the conditions precedent (1) that the claimed failure shall have first appeared during the warranty period; (2) that the original purchaser shall have notified Sutphen in writing of the claimed failure within thirty (30) days after the claimed failure shall have first appeared, and (3) that, unless Sutphen directs otherwise, the claimed failed item or items shall have been returned to Sutphen, or to Sutphen designee, promptly after the notifications, with transportation charges prepaid. Sutphen reserves the right to thoroughly examine the vehicle or parts thereof, prior to conducting or approving any repair or replacement, to determine whether the claimed failure is covered by this warranty. Sutphen's obligation under this warranty is strictly limited to repair or replacement as the company may elect.

This warranty shall be null and void if the frame shows any evidence of alterations, cutting, splicing, additional welding or drilling of rails or flanges without the written authorization of Sutphen. Further, this warranty shall be void if the vehicle is involved in an accident, shows signs of abuse, or evidence of being operated in an improper manner. The frame and under carriage shall be washed and painted, by the owner, where needed, semi-annually or as conditions require; if rust starts, it must be properly primed and painted or warranty shall be voided.

Periodically check apparatus for chips and scratches in the paint and repair them with touch-up paint furnished upon delivery, or equal. Several times a year wash underneath the apparatus, especially during winter months. If power wash is used, use a fan spray only or it may damage the undercoating or paint. If damage of undercoating or paint occurs, prime, paint, and re-undercoat areas where bare metal is showing.

Take truck in yearly to Ziebart, for first ten (10) years, to have undercoat inspected by an Authorized Ziebart Dealer and they will do any touch-up of undercoating under truck for ten (10) years under Ziebart Warranty.

This limited warranty covers only repair or replacement of any part of a Sutphen vehicle in which a defect in materials or workmanship appears within the limited warranty period. Examples of items not covered include, but are not limited to:

- A. ---Unauthorized alteration or modification to the vehicle, including the body, chassis or components, after completion of the vehicle assembly by Sutphen and any problems that occur as a result of such alterations or modifications.
- B. ---Damage caused by collision, fire, theft, freezing, vandalism, riot, explosion, acts of God, war or objects striking the vehicle or any damage covered by owner insurance.
- C. ---Damage caused by misuse or improper operation of the vehicle such as driving over curbs, overloading, racing or off-road use.
- D. ---Damage caused by failure to follow the requirements of the maintenance schedule.
- E. ---Towing charges and storage expenses.
- F. ---Incidental expenses such as loss of vehicle use, inconvenience, loss of time, vehicle rental, lodging or travel costs, vacation pay, etc.
- G. ---Damage caused from exposure to road de-icing compounds or use in an acidic environment.

continued

This warranty terminates upon transfer of possession or ownership of the vehicle from the original purchaser.

THIS WARRANTY IS PROVIDED IN EXCLUSION OF ANY AND ALL OTHER REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED. NO PERSON IS AUTHORIZED TO MAKE ANY REPRESENTATIONS OR WARRANTIES ON BEHALF OF SUTPHEN CORPORATION OTHER THAN SET FORTH HEREIN. ANY MODIFICATION TO THIS WARRANTY MUST BE IN WRITING AND APPROVED BY THE PRESIDENT OF SUTPHEN CORPORATION. THE PROVISIONS OF THIS LIMITED WARRANTY SHALL CONSTITUTE THE SOLE EXCLUSIVE REMEDIES OF A SUTPHEN VEHICLE PURCHASER.

For more information contact:

**Sutphen Corporation/Warranty Admin. • 7000 Columbus-Marysville Rd. • Amlin, OH 43002
(614) 888-1005 Toll Free (800) 736-7030 or (800) 848-5860**

April 1, 2001 Supersedes All Previous Warranties



SUTPHEN®

CORPORATION

TWO (2) YEARS MECHANICAL AERIAL PLATFORM AND AERIAL LADDER WARRANTY

SUTPHEN CORPORATION (Sutphen) warrants the original user/purchaser that the mechanical components of a new aerial platform or aerial ladder is, and will remain, free of corrosion perforation, structural defects or failure provided that the components are used in a normal and reasonable manner. Mechanical components are defined as the hardware and mechanical items used on an aerial device. Excluded are the structural cab and body, water tank, all electrical controls and components, and major components such as engine, transmission, axles, pump and turret which may be covered by available component vendor's extended coverage plans.

Sutphen's obligation under this warranty is subject to the conditions precedent (1) that the claimed failure shall have first appeared during the warranty period; (2) that the original purchaser shall have notified Sutphen in writing of the claimed failure within thirty (30) days after the claimed failure shall have first appeared, and (3) that, unless Sutphen directs otherwise, the claimed failed item or items shall have been returned to Sutphen, or to Sutphen designee, promptly after the notification, with transportation charges prepaid. Sutphen reserves the right to thoroughly examine the vehicle or parts thereof, prior to conducting or approving any repair or replacement, to determine whether the claimed failure is covered by this warranty. Sutphen's obligation under this warranty is strictly limited to repair or replacement as the company may elect.

The OWNER WARRANTY coverage will commence at the expiration of the standard new product warranty and shall extend for a period of two (2) years from the delivery date to the original user/purchaser. Further, this warranty shall be void if the vehicle is involved in an accident, shows signs of abuse, or evidence of being operated in an improper manner.

This limited warranty covers only repair or replacement of any part of a Sutphen vehicle in which a defect in materials or workmanship appears within the limited warranty period. Examples of items not covered include, but are not limited to:

- A. --- Major components or trade accessories such as purchased chassis, engines, signaling devices, batteries, generators, tires or transmissions that have a separate warranty by the original manufacturer, or to equipment used in fire fighting.
- B. --- Unauthorized alteration or modification to the vehicle, including the body, chassis or components, after completion of the vehicle assembly by Sutphen and any problems that occur as a result of such alterations or modifications.
- C. --- Damage caused by collision, fire, theft, freezing, vandalism, riot, explosion, acts of God, war or objects striking the vehicle or any damage covered by owner insurance.
- D. --- Damage caused by misuse or improper operation of the vehicle such as driving over curbs, overloading, racing or off-road use.
- E. --- Damage caused by failure to follow the requirements of the maintenance schedule, failure to maintain proper fluid and lubricant levels and failure to follow operating instructions.
- F. --- Normal maintenance such as lubrication, filter replacement, fluid replacement, belts, hoses, clutch and brake linings, brake drums, disc brake rotors, electric accessories, etc.
- G. --- Batteries, tires, light bulbs or flashers.
- H. --- Towing charges and storage expenses.
- I. --- Incidental expenses such as loss of vehicle use, inconvenience, loss of time, vehicle rental, lodging or travel costs, vacation pay, etc.
- J. --- Damage to discharge and compound gauges from freezing.
- K. --- Leaking seals on discharge and suction valves.
- L. --- Damage caused from exposure to road de-icing compounds or use in an acidic environment.
- M. --- Hydraulic failures caused by incorrect or contaminated oil.
- N. --- Hydraulic cylinder seal after one (1) year service.
- O. --- Electric reels, air reels, electric controls and components.

continued

If proper maintenance has not been performed and documented on Sutphen Aerial Inspection forms and sent to Sutphen at time of check, all coverage is void.

This warranty terminates upon transfer of possession or ownership of the vehicle from the original purchaser.

THIS WARRANTY IS PROVIDED IN EXCLUSION OF ANY AND ALL OTHER REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED. NO PERSON IS AUTHORIZED TO MAKE ANY REPRESENTATIONS OR WARRANTIES ON BEHALF OF SUTPHEN CORPORATION OTHER THAN SET FORTH HEREIN. ANY MODIFICATION TO THIS WARRANTY MUST BE IN WRITING AND APPROVED BY THE PRESIDENT OF SUTPHEN CORPORATION. THE PROVISIONS OF THIS LIMITED WARRANTY SHALL CONSTITUTE THE SOLE EXCLUSIVE REMEDIES OF A SUTPHEN VEHICLE PURCHASER.

For more information contact:

Sutphen Corporation/Warranty Admin. • 7000 Columbus-Marysville Rd. • Amlin, OH 43002
(614) 889-1005 Toll Free (800) 726-7030 or (800) 848-5860

June 1, 1997 Supersedes All Previous Warranties



SUTPHEN®

CORPORATION

AERIAL PLATFORM OR AERIAL LADDER STRUCTURAL AND CORROSION WARRANTY TWENTY (20) YEARS

SUTPHEN CORPORATION (Sutphen) warrants the original user/purchaser that a new aerial platform or aerial ladder is, and will remain, free of corrosion perforation and structural defects, provided the aerial platform is used in a normal and reasonable manner. An aerial platform or aerial ladder is defined as the mechanically operated telescopic boom constructed of high-strength structural aluminum mounted mid-ship on fire truck. Excluded are all hardware, mechanical or electrical items, bucket, yoke and all normal ware items. Truck must be third party tested yearly. The Sutphen hourly maintenance schedule must be sent in to Sutphen for documentation that this work was performed per hourly schedule.

Sutphen's obligation under this warranty is subject to the conditions precedent (1) that the claimed failure shall have first appeared during the warranty period; (2) that the original purchaser shall have notified Sutphen in writing of the claimed failure within thirty (30) days after the claimed failure shall have first appeared, and (3) that, unless Sutphen directs otherwise, the claimed failed item or items shall have been returned to Sutphen, or to Sutphen designee, promptly after the notification, with transportation charges prepaid. Sutphen reserves the right to thoroughly examine the vehicle or parts thereof, prior to conducting or approving any repair or replacement, to determine whether the claimed failure is covered by this warranty. Sutphen's obligation under this warranty is strictly limited to repair or replacement as the company may elect.

The OWNER WARRANTY coverage will commence at the expiration of the standard new product warranty and shall extend for a period of twenty (20) years from the delivery date to the original user/purchaser. Further, this warranty shall be void if the vehicle is involved in an accident, shows signs of abuse, or evidence of being operated in any improper manner.

This limited warranty covers only repair or replacement of any part of a Sutphen vehicle in which a defect in materials or workmanship appears within the limited warranty period. Examples of items not covered include, but are not limited to:

A. --- Major components or trade accessories such as purchased chassis, engine, signaling devices, batteries, generators, tires, or transmissions that have a separate warranty by the original manufacturer, or to equipment used in fire fighting.

B. --- Unauthorized alteration or modification to the vehicle, including the body, chassis or components, after completion of the vehicle assembly by Sutphen and any problems that occur as a result of such alterations or modifications.

C. --- Damage caused by collision, fire, theft, freezing, vandalism, riot, explosion, acts of God, war or objects striking the vehicle or any damage covered by owner insurance.

D. --- Damage caused by misuse or improper operation of the vehicle such as driving over curbs, overloading, racing or off-road use.

E. --- Damage caused by failure to follow the requirements of the maintenance schedule, failure to maintain proper fluid and lubricant levels and failure to follow operating instructions.

F. --- Towing charges and storage expenses.

G. --- Incidental expenses such as loss of vehicle use, inconvenience, loss of time, vehicle rental, lodging or travel costs, vacation pay, etc.

H. --- Hydraulic pressures are not set to the correct PSI

I. --- Damage caused from exposure to road de-icing compounds or use in an acidic environment.

J. --- Hydraulic failures caused by incorrect or contaminated oil.

K. --- Hydraulic cylinder seal after one (1) year of service.

If proper maintenance has not been performed and documented on Sutphen Aerial Platform or Aerial Ladder Inspection forms and the forms sent to Sutphen at the time of check, all coverage is void.

continued

This warranty terminates upon transfer of possession or ownership of the vehicle from the original purchaser.

THIS WARRANTY IS PROVIDED IN EXCLUSION OF ANY AND ALL OTHER REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED. NO PERSON IS AUTHORIZED TO MAKE ANY REPRESENTATIONS OR WARRANTIES ON BEHALF OF SUTPHEN CORPORATION OTHER THAN SET FORTH HEREIN. ANY MODIFICATION TO THIS WARRANTY MUST BE IN WRITING AND APPROVED BY THE PRESIDENT OF SUTPHEN CORPORATION. THE PROVISIONS OF THIS LIMITED WARRANTY SHALL CONSTITUTE THE SOLE EXCLUSIVE REMEDIES OF A SUTPHEN VEHICLE PURCHASER.

For more information contact:

**Sutphen Corporation/Warranty Admin. • 7000 Columbus-Marysville Rd. • Amlin, OH 43002
(614) 889-1006 Toll Free (800) 726-7030 or (800) 848-5860**

June 1, 1997 Supersedes All Previous Warranties

Air Link™ Limited Warranty for Cranes & Special Use Applications

RAYDAN MANUFACTURING INC. (hereinafter Raydan) warrants this product will be free from defects in material and workmanship and agrees to repair or replace any part of the suspension which proves defective under these terms and conditions.

What is covered and for how long?

Parts and limited labour are warranted for 0-12 months for factory installed products from the date of the first end-user purchase.

ITEM	MONTHS	COVERAGE
Major components manufactured by Raydan	0 - 12	Parts & Labor as per schedule

Accessories supplied but not manufactured by Raydan, including but not limited to: rubber air components, bushings, valves, air lines.

Who is protected?

This warranty is transferable with proof of purchase.

What is not covered?

Except as specified below, this warranty covers all defects in material or workmanship in this product. The following are not covered by this warranty:

- Any product not distributed by Raydan, an agent of Raydan or an authorized distributor for Raydan, which was not included in the initial consumer purchase.
- Any product on which the product identification tag has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from, but not limited to:
 - Accident, misuse, abuse, neglect, fire or other acts of nature, improper storage, unauthorized product modification, acts of war, sabotage or terrorism or failure to follow instructions supplied with the product.
 - Alteration, repair or attempted repair by anyone not authorized by Raydan.
 - Shipment of the product (all freight claims must be presented directly to the carrier).
 - Improper installation of this product.
 - Any other cause which does not relate to a product defect.

How is warranty service handled?

Raydan reserves the right to request failed material be returned prepaid for review prior to settlement of any claim. It is the customer's obligation and expense to deliver failed material to a Raydan authorized service center or other facility authorized by Raydan, AND/OR ship the product freight prepaid to Raydan's manufacturing facility in order to render warranty services.

Raydan may require that you provide the original bill of sale or receipt as proof of purchase in order to obtain warranty service. Please retain such proof of purchase with your records.

NOTE: All products returned to Raydan for warranty MUST have prior approval, which may be obtained by calling toll free 1-888-472-8826 or 1-780-955-2389 (8:00 am - 5:00 pm MST).

Limitation of damages and implied warranties

Raydan's sole liability for any defective product is limited to the repair or replacement of the product at our option. Raydan will not be liable for:

- Damage to other property caused by any defects in this product, damages based upon inconvenience, loss of use of the product, loss of time, commercial loss; or
 - Any other damages, whether incidental, consequential or otherwise.
- It is a condition of this warranty policy that the customer properly maintain and operate all equipment. The customer is also expected to comply with all service requirements and recommendations of Raydan, the manufacturer, with regard to said equipment. This warranty is exclusive and is in lieu of all other warranties, express or implied, including but not limited to the implied warranties of merchantability or fitness for a particular purpose. (Some states do not allow the exclusion of implied warranties or the limitation or exclusion of liability for incidental or consequential damages. Therefore, the above exclusions or limitation may not apply to you.)

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Raydan reserves the right to change or improve the design of the warranted product without obligation to make modifications to previous models sold. The manufacturer reserves the right to revise this warranty at its discretion.

It is the responsibility of the product owner to ensure all other component parts in the vehicle that are attached to the Air Link™ have adequate weight rating for the required vehicle application.

Inservice date of warranty: _____

Serial Number: _____

RAYDAN
MANUFACTURING INC.

Raydan Manufacturing Inc.
801 - 18th Avenue, Nisku, AB Canada T9E 7T7
Toll Free: (888) 472-8826 | (780) 955-2389 | Fax: (780) 955-2389
www.raydanmfg.com



**Motor
Vehicle
Division**

00-0356A R02/09 www.azdot.gov

ARIZONA VEHICLE REGISTRATION

Print Date/Time
07/28/2009 11:55

Carry in Vehicle At All Times

Expiration Date
00/00/0000

GREEN VALLEY AZ



Vehicle Identification Number
199A3JLE83

Title

\$4.00

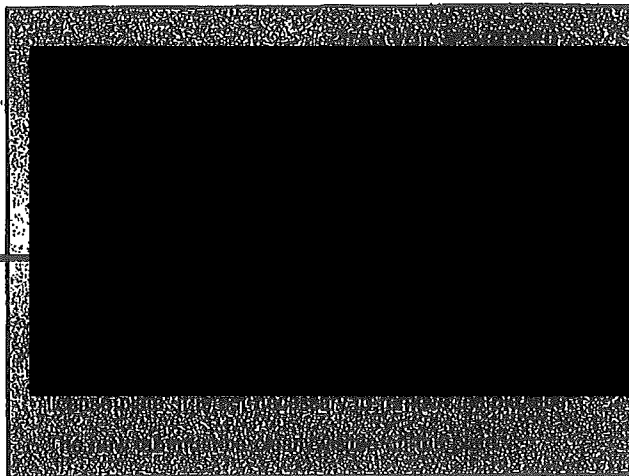
Record Number
Plate Number

Unit Number
Year / Make 2009 SUTPH
Body Style FT
First Registered 00/0000
List Price 000000
Fuel Type D
Category P
Weight (GVW)
County PIMA
Registration Type FUL

TOTAL \$4.00

Detach Here - Apply Tab Below To Plate - Carry Registration Above In Vehicle At All Times

THIS
IS YOUR NEW
LICENSE PLATE
TAB.



GREEN VALLEY AZ

0226091049

INSURANCE IDENTIFICATION CARD

OP ID 1

STATE **AZ**
AGENCY NUMBER COMPANY

THIS CARD MUST BE KEPT IN THE INSURED
VEHICLE AND PRESENTED UPON DEMAND

POLICY NUMBER EFFECTIVE DATE EXPIRATION DATE
[REDACTED] 07/01/09 07/01/10

PLATE MAKE/MODEL VEHICLE IDENTIFICATION NUMBER

1009 Sutphen Pumper 189A3JLE891 [REDACTED]

AGENCY/COMPANY INSURING CARD

THE MAHONEY GROUP

Drew A. Newton ARM, CIC, CPCU

520-795-8511

INSURED

IN CASE OF ACCIDENT: Report all accidents
to your Agent/Company as soon as possible.
Obtain the following information:

1. Name and address of each driver,
passenger and witness.
2. Name of Insurance Company and policy
number for each vehicle involved.

COVERAGE MEETS MINIMUM LIABILITY INSURANCE PRESCRIBED BY LAW

80 (1/88)

Weekly Aerial Inspection Checklist							
Stabilization System - Dates	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level							
Hydraulic Leaks							
Functional Graphic Display Panel							
R / L Mid-Ship Stabilizers							
Auxiliary Ground Pads							
Rear Jacks							
Front Cab Jacks							
Stabilizer Interlock Graphic Display							
Audible Warning System							
Aux. Hydraulic Pump							
Hydraulic Transfer / Upper Power							
Emergency Hydraulic Pump/Controls							
Turn Table and Controls							
Breathing Air System Pressure							
Raise / Lower							
Extend / Retract							
360 R / L Full Rotation @ 80 degrees							
Functional Graphic Display Panel							
Boom lights - Alarm Test - Ladder Lights							
PA / PPT Mike							
Turn Table Flood Lights							
Bucket Control Switch							
Safety Override Switch's							
Manual Hydraulic Override Controls							
Pedestal Hydraulic Lines, Any Leaks							
Safety Lines							
Smart Boom Warning System							
Stabilizer Interlock Override							
Rotational Interlock System							
Emergency Hydraulic Controls							
Platform Controls - Egress							
Functional Graphic Display Panel							
Bucket Control Power							
High Range / Creep Mode							
Raise / Lower							
Extend / Retract							
Rotation R / L							
Self Leveling System/Emg. Stop/Disable							
Leveling System Override							
Hyd. Reservoir for Leveling System							
Spot / Flood Lights / Ladder Lights							
Panel Light, Alarm Silence							
Manual and Remote Nozzle Controls							
Master Streams, Aux. Discharges							
Water Control Valves							
Platform Folding Egress Ladder							
Stokes Basket Arms, Lifting Eyes							
Breathing Air Gauge and Hook Ups							
Access/Egress Doors							
Hand Tools / Holders							
Ladder and Slide Block Paths							
5 Ladder Sections, Slide Block Paths							
Aerial Extension / Retraction Cylinders							
Water Way Tubes							
Turn Table Hydraulic Lines							
Sheaves and Cables							
Cable Track / Wiring Harness							
Bucket Hydraulic Lines							
Bucket Leveling Cylinders							

MISSING: [REDACTED]

[REDACTED]

April was the first month Tower 151 was in service

No inspection on April 12, 2010 -

No inspection on April 15, 2010 -

No inspection on April 16, 2010 -

No inspection on April 17, 2010 -

No inspection on April 19, 2010 -

No inspection on April 20, 2010 -

No inspection on April 21, 2010 -

No inspection on April 22, 2010 -

No inspection on April 23, 2010 -

No inspection on April 24, 2010 -

No inspection on February 15, 2011 -

No or incomplete inspection on February 16, 2011 -

No inspection on February 17, 2011 -

No inspection on February 18, 2011 -

No inspection on February 19, 2011 -

No or incomplete inspection on February 20, 2011

No or incomplete inspection on February 24, 2011

No or incomplete inspection on March 5, 2011 -

No inspection on March 7, 2011 - Zavala

No or incomplete inspection on March 9, 2011 -

No or incomplete inspection on March 13, 2011

No inspection on March 15, 2011 -

No or incomplete inspection on March 18, 2011 - [REDACTED]

No or incomplete inspection on March 23, 2011 - [REDACTED]

No inspection on March 24, 2011 - [REDACTED]

No inspection on March 25, 2011 - [REDACTED]

No inspection on March 30, 2011 - [REDACTED]

No inspection April 3, 2011 - [REDACTED]

No or incomplete inspection on April 23, 2011 - [REDACTED]

No inspection on May 15, 2011 - [REDACTED]

No inspection on May 16, 2011 - [REDACTED]

No inspection May 17, 2011 - C [REDACTED]

No inspection on May 19, 2011 - [REDACTED]

No inspection on June 17, 2011 - [REDACTED]

No inspection on June 29, 2011 - [REDACTED]

No inspection on July 4, 2011 - [REDACTED]

No or incomplete inspection on July 9, 2011 - [REDACTED]

No or incomplete inspection on July 13, 2011 - [REDACTED]

No or incomplete inspection on July 20, 2011 - [REDACTED]

No inspection on July 24, 2011 - [REDACTED]

No inspection on July 29, 2011 - [REDACTED]

Incomplete inspection on August 31, 2011 - [REDACTED]

Incomplete inspection on September 14, 2011 - [REDACTED]

Incomplete inspection on October 12, 2011 - [REDACTED]

No inspection on October 14, 2011 -

No inspection on October 16, 2011 -

No inspection on October 21, 2011 -

No or incomplete inspection on November 2, 2011 -

No or incomplete inspection on November 9, 2011 -

No or incomplete inspection on November 16, 2011 -

No inspection on November 22, 2011 -

No or incomplete inspection on November 28, 2011 -

No or incomplete inspection on November 30, 2011 -

No inspection on December 31, 2011 -

Incomplete inspection on January 11, 2012 -

No or incomplete inspection on January 18, 2012 -

No inspection on January 20, 2012 -

No inspection on January 22, 2012 -

No inspection on January 31, 2012 -

No inspection on February 7, 2012 -

No inspection on February 9, 2012 -

No inspection on February 11, 2012

No inspection on February 17, 2012

No inspection on February 18, 2012

No inspection on February 21, 2012

No inspection on February 23, 2012

No inspection on February 27, 2012

No inspection on February 29, 2012 — [REDACTED]

No or Incomplete inspection on March 14, 2012 — [REDACTED]

No inspection on March 23, 2012 [REDACTED]

No inspection on April 2, 2012 — [REDACTED]

No inspection on April 3, 2012 — [REDACTED]

No or incomplete inspection on April 4, 2012 — [REDACTED]

No inspection on April 5, 2012 — [REDACTED]

No inspection on April 6, 2012 — [REDACTED]

No inspection on April 8, 2012 — [REDACTED]

No or incomplete inspection on April 9, 2012 — [REDACTED]

No inspection on April 30, 2012 [REDACTED]

No inspection on May 7, 2012 — [REDACTED]

No Inspection on May 12, 2012 — [REDACTED]

No inspection on May 19, 2012 — [REDACTED]

No inspection on May 31, 2012 — [REDACTED]

No inspection on June 2, 2012 — [REDACTED]

Month/Year: Sept 09 Revised: April 2009
 Designator: Ladder 151 Shop # 3140
 Dates: Sun/Mon, Wed.

General Information		
Crew 1		
Crew 2		
Crew 3		
Mileage: (add to E.R. on Sunday)	<u>3611</u>	
Fuel Level:	<u>F</u>	
Vehicle/Equipment Inspection		
Warning Lights, Buzzers, etc.	☒	
Gauges & Instruments	☒	
Oil/Air Pressure	☒	
Oil/Transmission Temp.	☒	
Coolant Temp.	☒	
Electrical: Volts/Amps	☒	
Radios/Headsets/Cell Phone/Pager	☒	
Clipboard/Paperwork/Maps/Passport		
Safety Vest/Brush Shirts/Fire Shelter		
Mechanical		
Lights: Running/warning/scene	☒	
Code 3 Equipment	☒	
Tires/Wheels	☒	
10 Step Air Brake Check (see back)	☒	
Cab/Hood Tilt-Eng. Inspect (see back)	☒	
Water Tank Level		
Daily Pump Check		
Detailed Pump Check (see back)		
Fire Equipment		
Jump Bags (Airway/Trauma/Peds)	☒	
O2 Level	☒	
Miscellaneous Supplies	☒	
Drinking Water	☒	
Fire Equipment		
Appliances/Hose 1-3/4", 3", 4"		
Hard Suction 4", 6"		
Tarp(s)		
Portable Water Tank		
LowFlow Strainer/Jet Siphon		
Tie-down Kit		
Gate Valves		
Flashlights		
Portable Extinguishers (ABC/PW)		
Tool Bag/Tools		
SCBA/Spare Air Bottles		
Weekly SCBA Inspection (see back)		
Safety Equipment: Cones, Flares	☒	
Wheel Chocks	☒	

9/14/09 Hand Sets/Radio Charger's work now - Hand Sets - blown fuse to small - Radio Charger's hooked to power

Eng. Hours

<u>122</u>	

SCBA 1	Sun.	Wed.
SCBA 2		
SCBA 3		
SPARE ENGINE		
SPARE 1		
SPARE 2		
SPARE 3		

WEEKLY INSPECTIONS

Check Fluids	Date	Sun.	Wed.
Engine Oil	9/14	✓	
Transmission		✓	
Coolant		✓	
Brake/Air Pressure		✓	
Power Steering		✓	
Wiper Fluid		✓	
Battery		✓	
Check Battery Terminals/Cables		✓	
Check Belts/Hoses		✓	
Check Breather Valve/Transmission		✓	
Check Front Brakes & Lines		✓	
Check Rear Brakes & Lines		✓	
Check Suspension/Steering Components		✓	
Check Drive Line		✓	
Check for any Fluid Leaks/Note		✓	
Check Front/Rear Tire Wear/Tread		✓	
Check Tire Pressures			
O = Outside			
I = Inside			
2nd Axle	O-LR	O-RR	O-LR
	I-LR	I-RR	I-LR
3rd Axle	O-LR	O-RR	O-LR
	I-LR	I-RR	I-LR

* To be performed by Engineers.		Sun
1. Check Drive Belt(if applicable)		
2. Check Man./Auto Slack Adjusters		
Air Chambers, Air Lines		
3. Check Drums/Disc, Shoes/Pads		
4. Test Low Air-Pressure Warning		
5. Automatic Spring Brake Set		
6. Rate of Air-Pressure Build up		
7. Test Air Leakage Rate		
8. Check Air-Compressor Governor		
Cut In/Out		
9. Test Parking Brake - 20% grade		
10. Test Service Brake - 20mph/35ft		

Check gauges:	Date:	Sun
Engine RPM		
Temperature		
Fuel		
Volt/Amps		
Check Pump Controls & Indicators		
Inspect/Operate Drain Valves		
Inspected all Intakes/Discharges		
Check Priming Pump Fluid/Operate		
Check Proper Operation of Relief Valve		
Flush & Drain Discharges		
Flush & Refill on 1st Saturday of Month		

(See Weekly SCBA Inspection Sheet)
 Date: 9/14 Initials: MS

*** TENDERS/RESERVE ENGINES WILL BE RUN AND EXERCISED EVERYDAY!!!

SUN	MON	TUES	WED	THUR	FRI	SAT
	✓					

Revised: April 2009

Month/Year: 9/09

Designator: Tower 151

Shop #

TOWER 151
314e

Dates:

Sun.

Wed. 23

Indicate Switches/Operational	
Crew 1	
Crew 2	
Crew 3	
Mileage: (add to E.R. on Sunday)	<u>3614</u>
Fuel Level:	<u>3/4</u>
Cab Controls/Instruments/Engine	
Warning Lights, Buzzers, etc.	☒
Gauges & Instruments	☒
Oil/Air Pressure	☒
Oil/Transmission Temp.	☒
Coolant Temp.	☒
Electrical: Volts/Amps	☒
Radios/Headsets/Cell Phone/Pager	☒
Clipboard/Paperwork/Maps/Passport	<u>N/A</u>
Safety Vest/Brush Shirts/Fire Shelter	<u>N/A</u>
Mechanical	
Lights: Running/warning/scene	☒
Code 3 Equipment	☒
Tires/Wheels	☒
10 Step Air Brake Check(see back)	
Cab/Hood Tilt-Eng. Inspect (see back)	☒
Water Tank Level	<u>N/A</u>
Daily Pump Check	☒
Detailed Pump Check (see back)	
Emergency Equipment	
Jump Bags(Airway/Trauma/Peds)	<u>N/A</u>
O2 Level	<u>N/A</u>
Miscellaneous Supplies	<u>N/A</u>
Drinking Water	<u>N/A</u>
Fire Equipment	
Appliances/Hose 1-3/4", 3", 4"	<u>N/A</u>
Hard Suction 4", 6"	<u>N/A</u>
Tarp(s)	<u>N/A</u>
Portable Water Tank	<u>N/A</u>
LowFlow Strainer/Jet Siphon	<u>N/A</u>
Tie-down Kit	<u>N/A</u>
Gate Valves	<u>N/A</u>
Flashlights	<u>N/A</u>
Portable Extinguishers(ABC/PW)	<u>N/A</u>
Tool Bag/Tools	<u>N/A</u>
SCBA/Spare Air Bottles	<u>N/A</u>
Weekly SCBA Inspection (see back)	<u>N/A</u>
Safety Equipment: Cones, Flares	<u>N/A</u>
Wheel Chocks	<u>N/A</u>

SCBA 1	Sun.	Wed.
SCBA 2		N/A
SCBA 3		
Wiper Fluid		
Spare 1		N/A
Spare 2		
Spare 3		

WEEKLY INSPECTIONS

Check Fluids	Dates	Sun.	Wed.
Engine Oil			✓
Transmission			✓
Coolant			✓
Brake/Air Pressure			✓
Power Steering			✓
Wiper Fluid			✓
Battery			✓
Check Battery Terminals/Cables			✓
Check Belts/Hoses			✓
Check Breather Valve/Transmission			✓
Check Front Brakes & Lines			✓
Check Rear Brakes & Lines			✓
Check Suspension/Steering Components			✓
Check Drive Line			✓
Check for any Fluid Leaks/Note			✓ NO
Check Front/Rear Tire Wear/Tread			✓
Check Tire Pressures	LF	RF	LF 120 RF 120
O = Outside	2nd Axle O-LR	O-RR	O-LR 120 O-RR 120
I = Inside	I-LR	I-RR	I-LR 120 I-RR 120
	3rd Axle O-LR	O-RR	O-LR 120 O-RR 120
	I-LR	I-RR	I-LR 120 I-RR 120

* To be performed by Engineers.

1. Check Drive Belt(if applicable)	Sun
2. Check Man./Auto Stack Adjusters	
Air Chambers, Air Lines	
3. Check Drums/Disc, Shoes/Pads	
4. Test Low Air-Pressure Warning	
5. Automatic Spring Brake Set	
6. Rate of Air-Pressure Build up	
7. Test Air Leakage Rate	
8. Check Air-Compressor Governor	
Cut In/Out	
9. Test Parking Brake - 20% grade	
10. Test Service Brake - 20mph/35ft	

All Tires were between 110-112 when checked. Topped off @ 120 psi per Safety Specs.

Check gauges:	Date:	Sun
Engine RPM		
Temperature		
Fuel		
Volt/Amps		
Check Pump Controls & Indicators		
Inspect/Operate Drain Valves		
Inspected all Intakes/Discharges		
Check Priming Pump Fluid/Operate		
Check Proper Operation of Relief Valve		
Flush & Drain Discharges		
Flush & Refill on 1st Saturday of Month		

(See Weekly SCBA Inspection Sheet)

Date: _____ Initials: _____

*** TENDERS/RESERVE ENGINES WILL BE RUN AND EXERCISED EVERYDAY!!!

SUN	MON	TUES	WED	THUR	FRI	SAT
			✓			

Daily Vehicle Check. TENDER REPAIRS

Revised: April 2009

Ladder

Month/Year: Sept 09

Designator: Tower 151

Shop # 3140

Dates:

Sun.

Wed.

Indicate Switches/Alarms/Flags		
Crew 1		
Crew 2		
Crew 3		
Mileage: (add to E.R. on Sunday)	3569	3663
Fuel Level:	7/8	3/4
Controls/Instruments/Equipment		
Warning Lights, Buzzers, etc.	✓	✓
Gauges & Instruments	✓	
Oil/Air Pressure	✓	
Oil/Transmission Temp.	✓	
Coolant Temp.	✓	
Electrical Volts/Amps	✓	
Radios/Headsets/Cell Phone/Pager	✓	✓
Clip Board/Paperwork/Maps/Passport	✓	✓
Safety Vest/Brush/Shirts/Fire Shelter	✓	✓
Mechanical		
Lights: Running/warning/scene	✓	✓
Code 3 Equipment	✓	✓
Tires/Wheels	✓	✓
10 Step Air Brake Check (see back)	✓	
Cab/Hood Tilt-Eng. Inspect (see back)	✓	✓
Water Tank Level	✓	✓
Daily Pump Check	✓	✓
Detailed Pump Check (see back)	✓	
EMS Equipment		
Jump Bags (Airway/Trauma/Peds)	✓	✓
O2 Level	✓	✓
Miscellaneous Supplies	✓	✓
Drinking Water	✓	✓
Fire Equipment		
Appliances/Hose 1-3/4", 3", 4"	✓	✓
Hard Suction 4", 6"	✓	✓
Tarp(s)	✓	✓
Portable Water Tank	✓	✓
Low Flow Strainer/Jet Siphon	✓	✓
Tie-down Kit	✓	✓
Gate Valves	✓	✓
Flashlights	✓	✓
Portable Extinguishers (ABC/PW)	✓	✓
Tool Bag/Tools	✓	✓
SCBA/Spare Air Bottles	✓	✓
Weekly SCBA Inspection (see back)	✓	✓
Safety Equipment: Cones, Flares	✓	✓
Wheel Chocks	✓	✓
Damaged or Missing Equipment		

SCBA #	Date	Sun.	Wed.
SCBA 1			
SCBA 2			
SCBA 3			
SCBA #	Date		
Spare 1			
Spare 2			
Spare 3			

Sun.		Wed.	
Check Fluids	Dates	9/27	30
Engine Oil		✓	✓
Transmission		✓	
Coolant		✓	
Brake/Air Pressure		✓	
Power Steering		✓	
Wiper Fluid		✓	
Battery		✓	
Check Battery Terminals/Cables		✓	
Check Belts/Hoses		✓	
Check Breather Valve/Transmission		✓	
Check Front Brakes & Lines		✓	
Check Rear Brakes & Lines		✓	
Check Suspension/Steering Components		✓	
Check Drive Line		✓	
Check for any Fluid Leaks/Note		✓	
Check Front/Rear Tire Wear/Tread			✓
Check Tire Pressures	LF 120	RF 120	LF 120
2nd Axle	O-LR 120	O-RR 120	O-LR (
	I-LR 120	I-RR 120	I-LR)
3rd Axle	O-LR 120	O-RR 120	O-LR (
	I-LR 120	I-RR 120	I-LR 120

	Sun
1. Check Drive Belt(If applicable)	
2. Check Man./Auto Slack Adjusters Air Chambers, Air Lines	
3. Check Drums/Disc, Shoes/Pads	
4. Test Low Air-Pressure Warning	
5. Automatic Spring Brake Set	
6. Rate of Air-Pressure Build up	
7. Test Air Leakage Rate	
8. Check Air-Compressor Governor Cut In/Out	
9. Test Parking Brake - 20% grade	
10. Test Service Brake - 20mph/35ft	

Check Pump Oil	Sun
Check gauges:	
Engine RPM	
Temperature	
Fuel	
Volt/Amps	
Check Pump Controls & Indicators	
Inspect/Operate Drain Valves	
Inspected all Intakes/Discharges	
Check Priming Pump Fluid/Operate	
Check Proper Operation of Relief Valve	
Flush & Drain Discharges	
Flush & Refill on 1st Saturday of Month	

Date: _____ Initials: _____

SUN MON TUES WED THUR FRI SAT
GG KT KM KT KM

***** TENDERS/RESERVE ENGINES WILL BE RUN AND EXERCISED EVERYDAY!!!**

Revised: April 2009

Month/Year: 02/09

Designator: Tower 151

Shop #

Dates:

Sun. 4 Wed. 7

Vehicle Information		
Crew 1		
Crew 2		
Crew 3		
Mileage: (add to E.R. on Sunday)	3669	3669
Fuel Level:	3/4	3/4
Safety Equipment		
Warning Lights, Buzzers, etc.	✓	✓
Gauges & Instruments	✓	✓
Oil/Air Pressure	✓	✓
Oil/Transmission Temp.	✓	✓
Coolant Temp.	✓	✓
Electrical: Volts/Amps	✓	✓
Radios/Headsets/Cell Phone/Pager	✓	✓
Clipboard/Paperwork/Maps/Passport	✓	✓
Safety Vest/Brush Shirts/Fire Shelter	✓	✓
Mechanical		
Lights: Running/warning/scene	✓	✓
Code 3 Equipment	✓	✓
Tires/Wheels	✓	✓
10 Step Air Brake Check (see back)	✓	✓
Cab/Hood Tilt-Eng. Inspect (see back)	✓	✓
Water Tank Level	Full	Full
Daily Pump Check	✓	✓
Detailed Pump Check (see back)		
Fire Equipment		
Jump Bags (Airway/Trauma/Peds)	✓	✓
O2 Level	✓	✓
Miscellaneous Supplies	✓	✓
Drinking Water	✓	✓
Fire Equipment		
Appliances/Hose 1-3/4", 3", 4"		
Hard Suction 4", 6"		
Tarp(s)		
Portable Water Tank		
Low Flow Strainer/Jet Siphon		
Tie-down Kit		
Gate Valves	8	8
Flashlights	8	8
Portable Extinguishers (ABC/PW)	1	1
Tool Bag/Tools	1	1
SCBA/Spare Air Bottles		
Weekly SCBA Inspection (see back)		
Safety Equipment: Cones, Flares	1	1
Wheel Chocks	2	2

	Sun.	Wed.
SCBA 1		
SCBA 2		
SCBA 3		
Valve/Engine		
Spare 1		
Spare 2		
Spare 3		

WEEKLY INSPECTIONS

	Sun.	Wed.
Check Fluids	10-4-05	
Engine Oil	✓	
Transmission	✓	
Coolant	✓	
Brake/Air Pressure	✓	
Power Steering	✓	
Wiper Fluid	✓	
Battery	✓	
Check Battery Terminals/Cables	✓	
Check Belts/Hoses	✓	
Check Breather Valve/Transmission	✓	
Check Front Brakes & Lines	✓	
Check Rear Brakes & Lines	✓	
Check Suspension/Steering Components	✓	
Check Drive Line	✓	
Check for any Fluid Leaks/Note	None	
Check Front/Rear Tire Wear/Tread		
Check Tire Pressures	LF 120 RF 120	LF RF
O = Outside	2nd Axle O-LR 120 O-RR 120	O-LR O-RR
I = Inside	I-LR 120 I-RR 120	I-LR I-RR
	3rd Axle O-LR 120 O-RR 120	O-LR O-RR
	I-LR 120 I-RR 120	I-LR I-RR

* To be performed by Engineers.

	Sun
1. Check Drive Belt (if applicable)	N/A
2. Check Man/Auto Slack Adjusters	✓
Air Chambers, Air Lines	✓
3. Check Drums/Disc, Shoes/Pads	
4. Test Low Air-Pressure Warning	✓ 050
5. Automatic Spring Brake Set	✓ 050
6. Rate of Air-Pressure Build up	✓
7. Test Air Leakage Rate	✓
8. Check Air-Compressor Governor Cut In/Out	✓
9. Test Parking Brake - 20% grade	
10. Test Service Brake - 20mph/35ft	

	Sun
Check gauges:	Date:
Engine RPM	
Temperature	
Fuel	
Volt/Amps	
Check Pump Controls & Indicators	
Inspect/Operate Drain Valves	
Inspected all Intakes/Discharges	
Check Priming Pump Fluid/Operate	
Check Proper Operation of Relief Valve	
Flush & Drain Discharges	
Flush & Refill on 1st Saturday of Month	

(See Weekly SCBA Inspection Sheet)

Date: _____ Initials: _____

*** TENDERS/RESERVE ENGINES WILL BE RUN AND EXERCISED EVERYDAY!!!

SUN	MON	TUES	WED	THUR	FRI	SAT
✓				BM		BM

- Daily Vehicle Check. TENDER/RESERVE ENGINE

Revised: April 2009

Month/Year: Nov/09

Designator: Tower 151

Shop # 3140

Dates: Sun. 11/22 Wed.

CREW INFORMATION		
Crew 1		
Crew 2		
Crew 3		
Mileage: (add to E.R. on Sunday)		
Fuel Level:	<u>Full</u>	
VEHICLE/APPARATUS		
Warning Lights, Buzzers, etc.	☒	
Gauges & Instruments	☒	
Oil/Air Pressure	☒	
Oil/Transmission Temp.	☒	
Coolant Temp.	☒	
Electrical: Volts/Amps	☒	
Radlos/Headsets/Cell Phone/Pager	☒	
Clipboard/Paperwork/Maps/Passport	☒	
Safety Vest/Brush Shirt/Fire Shovel	☒	
Maintenace		
Lights: Running/warning/scene	☒	
Code 3 Equipment	☒	
Tires/Wheels	☒	
10 Step Air Brake Check(see back)	☒	
Cab/Hood Tilt-Eng. Inspect (see back)	☒	
Water Tank Level	☒	
Daily Pump Check	☒	
Detailed Pump Check (see back)	☒	
MISC EQUIPMENT		
Jump Bags(Airway/Trauma/Peds)	☒	
O2 Level	☒	
Miscellaneous Supplies	☒	
Drinking Water	☒	
SCBA/APPARATUS		
Appliances/Hose 1-3/4", 3", 4"	☒	
Hard Suction 4", 6"	☒	
Tarp(s)	☒	
Portable Water Tank	☒	
LowFlow Strainer/Jet Siphon	☒	
Tie-down Kit	☒	
Gate Valves	☒	
Flashlights	☒	
Portable Extinguishers(ABC/PW)	☒	
Tool Bag/Tools	☒	
SCBA/Spare Air Bottles	☒	
Weekly SCBA Inspection (see back)	☒	
Safety Equipment: Cones, Flares	☒	
Wheel Chocks	☒	
PORTABLE MISC EQUIPMENT		

*TANK Empty

SCBA	Sun.	Wed.
SCBA 1	0	
SCBA 2		
SCBA 3		
Valve Air Pressure	0	
Spare 1	0	
Spare 2		
Spare 3		

WEEKLY INSPECTIONS

Check Fluids	Dates	Sun.	Wed.
Engine Oil	11/22	✓	
Transmission		✓	
Coolant		✓	
Brake/Air Pressure		✓	
Power Steering		✓	
Wiper Fluid		✓	
Battery		✓	
Check Battery Terminals/Cables		✓	
Check Belts/Hoses		✓	
Check Breather Valve/Transmission		✓	
Check Front Brakes & Lines		✓	
Check Rear Brakes & Lines		✓	
Check Suspension/Steering Components		✓	
Check Drive Line		✓	
Check for any Fluid Leaks/Note		✓	
Check Front/Rear Tire Wear/Tread		✓	

Check Tire Pressures	LF 11/5	RF 11/5	LF	RF
O = Outside	2nd Axle O-LR 11/5	O-RR 11/5	O-LR	O-RR
I = Inside	I-LR 11/5	I-RR 11/5	I-LR	I-RR
	3rd Axle O-LR 11/5	O-RR 11/5	O-LR	O-RR
	I-LR 11/5	I-RR 11/5	I-LR	I-RR

* To be performed by Engineers.

	Sun
1. Check Drive Belt(if applicable)	
2. Check Man./Auto Slack Adjusters	
Air Chambers, Air Lines	
3. Check Drums/Disc, Shoes/Pads	
4. Test Low Air-Pressure Warning	
5. Automatic Spring Brake Set	
6. Rate of Air-Pressure Build up	
7. Test Air Leakage Rate	
8. Check Air-Compressor Governor	
Cut In/Out	
9. Test Parking Brake - 20% grade	
10. Test Service Brake - 20mph/35ft	

Check gauges:	Date:	Sun
Engine RPM	11/22	✓
Temperature		✓
Fuel		✓
Volt/Amps		✓
Check Pump Controls & Indicators		✓
Inspect/Operate Drain Valves		✓
Inspected all Intakes/Discharges		✓
Check Priming Pump Fluid/Operate		✓
Check Proper Operation of Relief Valve		✓
Flush & Drain Discharges		✓
Flush & Refill on 1st Saturday of Month		✓

(See Weekly SCBA Inspection Sheet)

Date: _____ Initials: _____

*** TENDERS/RESERVE ENGINES WILL BE RUN AND EXERCISED EVERYDAY!!!

SUN	MON	TUES	WED	THUR	FRI	SAT
RM		RM		RM		RM

Month/Year: 12/09

Revised: April 2009

Tower

Designator: *Tower 151*

Shop # *3140*

Dates: *Sun. 13* *Wed. 16*

Vehicle Switchgear/Accessories		
Crew 1		
Crew 2		
Crew 3		
Mileage: (add to E.R. on Sunday)		
Fuel Level:	<i>Full</i>	
Engine/Controls/Instrument Panel/Equipment		
Warning Lights, Buzzers, etc.	☒	
Gauges & Instruments	☒	
Oil/Air Pressure	☒	
Oil/Transmission Temp.	☒	
Coolant Temp.	☒	
Electrical: Volts/Amps	☒	
Radios/Headsets/Cell Phone/Pager	☒	
Clipboard/Paperwork/Maps/Passport	<i>N/A</i>	
Safety Vest/Brush Shirts/Fire Shelter	<i>N/A</i>	
Mechanical		
Lights: Running/warning/scene	☒	
Code 3 Equipment	☒	
Tires/Wheels	☒	
10 Step Air Brake Check (see back)	☒	
Cab/Hood Tilt-Eng. Inspect (see back)	☒	
Water Tank Level	<i>Empty</i>	
Daily Pump Check	☒	
Detailed Pump Check (see back)	☒	
EMS Equipment		
Jump Bags (Airway/Trauma/Peds)	<i>N/A</i>	
O2 Level	<i>N/A</i>	
Miscellaneous Supplies	<i>N/A</i>	
Drinking Water	<i>N/A</i>	
Fire Equipment		
Appliances/Hose 1-3/4", 3", 4"	<i>N/A</i>	
Hard Suction 4", 6"	<i>N/A</i>	
Tarp(s)	<i>N/A</i>	
Portable Water Tank	<i>N/A</i>	
LowFlow Strainer/Jet Siphon	<i>N/A</i>	
Tie-down Kit	<i>N/A</i>	
Gate Valves	<i>N/A</i>	
Flashlights	<i>N/A</i>	
Portable Extinguishers (ABC/PW)	<i>N/A</i>	
Tool Bag/Tools	<i>N/A</i>	
SCBA/Spare Air Bottles	<i>N/A</i>	
Weekly SCBA Inspection (see back)	☒	
Safety Equipment: Cones, Flares	☒	
Wheel Chocks	☒	
Damaged or Missing Equipment		

Daily Inspections Continued

SCBA Checks	Dates	Sun.	Wed.
SCBA 1		N/A	
SCBA 2		N/A	
SCBA 3		N/A	
VOIC - MINOR			
Spare 1		N/A	
Spare 2		N/A	
Spare 3			

WEEKLY INSPECTIONS

Check Fluids	Dates	Sun.	Wed.
Engine Oil	12/13	✓	
Transmission		✓	
Coolant		✓	
Brake/Air Pressure		✓	
Power Steering		✓*	
Wiper Fluid		✓	
Battery		✓	
Check Battery Terminals/Cables		✓	
Check Belts/Hoses		✓	
Check Breather Valve/Transmission		✓	
Check Front Brakes & Lines		✓	
Check Rear Brakes & Lines		✓	
Check Suspension/Steering Components		✓	
Check Drive Line		✓	
Check for any Fluid Leaks/Note		✓*	
Check Front/Rear Tire Wear/Tread		✓	
Check Tire Pressures	LF RF	LF RF	LF RF
O = Outside	2nd Axle O-LR O-RR	O-LR O-RR	O-LR O-RR
I = Inside	I-LR I-RR	I-LR I-RR	I-LR I-RR
	3rd Axle O-LR O-RR	O-LR O-RR	O-LR O-RR
	I-LR I-RR	I-LR I-RR	I-LR I-RR

* To be performed by Engineers.

	Sun 12/13
1. Check Drive Belt(if applicable)	✓
2. Check Man/Auto Slack Adjusters	✓
Air Chambers, Air Lines	✓
3. Check Drums/Disc, Shoes/Pads	✓
4. Test Low Air-Pressure Warning	✓
5. Automatic Spring Brake Set	✓
6. Rate of Air-Pressure Build up	✓
7. Test Air Leakage Rate	✓
8. Check Air-Compressor Governor	✓
Cut In/Out	
9. Test Parking Brake - 20% grade	
10. Test Service Brake - 20mph/35ft	

Check gauges:	Date:	Sun
Engine RPM		
Temperature		
Fuel		
Volt/Amps		
Check Pump Controls & Indicators		
Inspect/Operate Drain Valves		
Inspected all Intakes/Discharges		
Check Priming Pump Fluid/Operate		
Check Proper Operation of Relief Valve		
Flush & Drain Discharges		
Flush & Refill on 1st Saturday of Month		

(See Weekly SCBA Inspection Sheet)

Date: _____ Initials: _____

12/13 minor Power Steering leak

*** TENDERS/RESERVE ENGINES WILL BE RUN AND EXERCISED EVERYDAY!!!

Daily Vehicle Check

Revised: April 2009

Month/Year: 12/09

Designator: Tower 151

Shop # 3140

Dates:

Sun.

Wed. 12/23

Indicate Switching Apparatus		
Crew 1		
Crew 2		
Crew 3		
Mileage: (add to E.R. on Sunday)		<u>4312</u>
Fuel Level:		<u>3/4</u>
Cab Controls/Instrument Panel/Buttons		
Warning Lights, Buzzers, etc.		✓
Gauges & Instruments		✓
Oil/Air Pressure		✓
Oil/Transmission Temp.		✓
Coolant Temp.		✓
Electrical: Volts/Amps		✓
Radios/Headsets/Gelt Phone/Pager		✓
Clipboard/Paperwork/Maps/Passport		0
Safety Vest/Brush Shirts/Fire Shelter		0
Maintenance		
Lights: Running/warning/scane		✓
Code 3 Equipment		✓
Tires/Wheels		✓
10 Step Air Brake Check(see back)	*	
Cab/Hood Tilt-Eng. Inspect (see back)		✓
Water Tank Level		0
Daily Pump Check		0
Detailed Pump Check (see back)		
EMS Equipment		
Jump Bags(Airway/Trauma/Peds)		0
O2 Level		0
Miscellaneous Supplies		0
Drinking Water		0
FIRE Equipment		
Appliances/Hose 1-3/4", 3", 4"		0 ✓
Hard Suction 4", 6"		✓
Tarp(s)		0
Portable Water Tank		0
LowFlow Strainer/Jet Siphon		0
Tie-down Kit		0
Gate Valves		0
Flashlights		✓
Portable Extinguishers(ABC/PW)		0
Tool Bag/Tools		0
SCBA/Spare Air Bottles		0
Weekly SCBA Inspection (see back)		
Safety Equipment: Cones, Flares		✓
Wheel Chocks		✓
Demolition/Miscellaneous Equipment		

5" LDH

009-5-024

-017

011

015

014

022

009

010

ROTATED ON 12/21/09

C-SHIFT 152

SCBA 1	Sun.	Wed. 12/23
SCBA 2		
SCBA 3		
Valve Filters		
Spare 1		
Spare 2		
Spare 3		

WEEKLY INSPECTIONS

Check Fluids	Dates	Sun.	Wed. 12/23
Engine Oil			✓
Transmission			✓
Coolant			✓
Brake/Air Pressure			✓
Power Steering			✓
Wiper Fluid			✓
Battery			✓
Check Battery Terminals/Cables			✓
Check Belts/Hoses			✓
Check Breather Valve/Transmission			✓
Check Front Brakes & Lines			✓
Check Rear Brakes & Lines			✓
Check Suspension/Steering Components			✓
Check Drive Line			✓
Check for any Fluid Leaks/Note			✓
Check Front/Rear Tire Wear/Tread			✓
Check Tire Pressures	LF RF	LF 115 RF 115	
O = Outside	2nd Axle O-LR O-RR	O-LR 115 O-RR 115	
I = Inside	I-LR I-RR	I-LR 115 I-RR 115	
	3rd Axle O-LR O-RR	O-LR 115 O-RR 115	
	I-LR I-RR	I-LR 115 I-RR 115	

* To be performed by Engineers.

	Sun
1. Check Drive Belt(if applicable)	
2. Check Man./Auto Slack Adjusters	
Air Chambers, Air Lines	
3. Check Drums/Disc, Shoes/Pads	
4. Test Low Air-Pressure Warning	
5. Automatic Spring Brake Set	
6. Rate of Air-Pressure Build up	
7. Test Air Leakage Rate	
8. Check Air-Compressor Governor	
Cut In/Out	
9. Test Parking Brake - 20% grade	
10. Test Service Brake - 20mph/35ft	

Check gauges:	Date:	Sun
Engine RPM		
Temperature		
Fuel		
Volt/Amps		
Check Pump Controls & Indicators		
Inspect/Operate Drain Valves		
Inspected all Intakes/Discharges		
Check Priming Pump Fluid/Operate		
Check Proper Operation of Relief Valve		
Flush & Drain Discharges		
Flush & Refill on 1st Saturday of Month		

(See Weekly SCBA Inspection Sheet)

Date: _____ Initials: _____

*** TENDERS/RESERVE ENGINES WILL BE RUN AND EXERCISED EVERYDAY!!!

SUN	MON	TUES	WED	THUR	FRI	SAT
	RM		RM	RM		RM

Generator
over All Power
lights Tenders

- Daily Vehicle Check

Revised: April 2009

Month/Year: Dec 17/2010

Designator: Tower 15

Shop # 3140

Dates:

Sun, Wed.

Crew 1		
Crew 2		
Crew 3		
Mileage: (add to E.R. on Sunday)	<u>4312</u>	<u>4313</u>
Fuel Level:	<u>3/4</u>	<u>Full</u>
Warning Lights, Buzzers, etc.	☒	☒
Gauges & Instruments	☒	☒
Oil/Air Pressure	☒	☒
Oil/Transmission Temp.	☒	☒
Coolant Temp.	☒	☒
Electrical: Volts/Amps	<u>13.9</u>	<u>14</u>
Radios/Headsets/Cell Phone/Pager	☒	☒
Clipboard/Paperwork/Maps/Passport	☒	☒
Safety Vest/Brush/Sharps/Fire Shelter	☒	☒
Lights: Running/warning/scene	☒	☒
Code 3 Equipment	☒	☒
Tires/Wheels	☒	☒
10 Step Air Brake Check (see back)	☒	☒
Cab/Hood Tilt-Eng. Inspect (see back)	☒	☒
Water Tank Level	<u>Empty</u>	<u>0</u>
Daily Pump Check	☒	☒
Detailed Pump Check (see back)	☒	☒
Jump Bags (Airway/Trauma/Peds)	☒	☒
O2 Level	☒	☒
Miscellaneous Supplies	☒	☒
Drinking Water	☒	☒
Appliances/Hose 1-3/4", 3", 4", 5"	☒	☒
Hard Suction 4", 6"	☒	☒
Tarp(s)	☒	☒
Portable Water Tank	☒	☒
LowFlow Strainer/Jet Siphon	☒	☒
Tie-down Kit	☒	☒
Gate Valves	☒	☒
Flashlights	☒	☒
Portable Extinguishers (ABC/PW)	☒	☒
Tool Bag/Tools	☒	☒
SCBA/Spare Air Bottles	☒	☒
Weekly SCBA Inspection (see back)	☒	☒
Safety Equipment: Cones, Flares	☒	☒
Wheel Chocks	☒	☒

	Sun.	Wed.
SCBA 1	-	0
SCBA 2	-	
SCBA 3	-	
Spare 1	-	0
Spare 2	-	
Spare 3	-	

	Sun.	Wed.
Check Fluids		12/30
Engine Oil		✓
Transmission		✓
Coolant		✓
Brake/Air Pressure		✓
Power Steering		✓
Wiper Fluid		✓
Battery		✓
Check Battery Terminals/Cables		✓
Check Belts/Hoses		✓
Check Breather Valve/Transmission		✓
Check Front Brakes & Lines		✓
Check Rear Brakes & Lines		✓
Check Suspension/Steering Components		✓
Check Drive Line		✓
Check for any Fluid Leaks/Note		✓
Check Front/Rear Tire Wear/Tread		✓
Check Tire Pressures	LF	RF
	LF 120	RF 120
O = Outside	2nd Axle	O-LR
I = Inside		O-RR
		O-LR 120
		O-RR 120
	I-LR	I-RR
		I-LR 120
		I-RR 120
	3rd Axle	O-LR
		O-RR
		O-LR 120
		O-RR 120
		I-LR 120
		I-RR 120

*** To be performed by Engineers.**

	Sun	Mon
1. Check Drive Belt(if applicable)		N/A
2. Check Man./Auto Slack Adjusters		✓
Air Chambers, Air Lines		✓
3. Check Drums/Disc, Shoes/Pads		✓
4. Test Low Air-Pressure Warning		✓
5. Automatic Spring Brake Set		✓
6. Rate of Air-Pressure Build up		✓
7. Test Air Leakage Rate		
8. Check Air-Compressor Governor		
Cut In/Out		
9. Test Parking Brake - 20% grade		
10. Test Service Brake - 20mph/35ft		

	Sun
Check gauges:	Date: 0
Engine RPM	
Temperature	
Fuel	
Volt/Amps	
Check Pump Controls & Indicators	
Inspect/Operate Drain Valves	
Inspect all Intakes/Discharges	
Check Priming Pump Fluid/Operate	
Check Proper Operation of Relief Valve	
Flush & Drain Discharges	
Flush & Refill on 1st Saturday of Month	

(See Weekly SCBA Inspection Sheet)

Date: _____ Initials: _____

*** TENDERS/RESERVE ENGINES WILL BE RUN AND EXERCISED EVERYDAY!!!

SUN	MON	TUES	WED	THUR	FRI	SAT
	16		PM		PM	

Month/Year: 01/10 Revised: April 2009
 Designator: TOWC451 Shop #
 Dates: Sun. Wed. 01/06

TOWC451 (TOWC451/AT01/06)		
Crew 1		
Crew 2		
Crew 3		
Mileage: (add to E.R. on Sunday)		4366
Fuel Level:		Full
Warning Lights, Buzzers, etc.		
Gauges & Instruments		✓
Oil/Air Pressure		✓
Oil/Transmission Temp.		✓
Coolant Temp.		✓
Electrical: Volts/Amps		✓
Radios/Headsets/Coll. Phone/Pager		✓
Clipboard/Paperwork/Maps/Passport		0
Safety Vest/Brush Shirts/Fire Shelter		0
Lighting		
Lights/Running/warning/scene		✓
Code 3 Equipment		✓
Tires/Wheels		✓
10 Step Air Brake Check (see back)	*	
Cab/Hood Tilt-Eng. Inspect (see back)		✓
Water Tank Level		0
Daily Pump Check		0
Detailed Pump Check (see back)		
Jump Bags		
Jump Bags (Airway/Trauma/Peds)		0
O2 Level		
Miscellaneous Supplies		↓
Drinking Water		
Tools		
Appliances/Hose 1-3/4", 3", 4"		✓
Hard Suction 4", 6"		0
Tarp(s)		0
Portable Water Tank		0
Low Flow Strainer/Jet Siphon		0
Tie-down Kit		0
Gate Valves		✓
Flashlights		✓
Portable Extinguishers (ABC/PW)		0
Tool Bag/Tools		0
SCBA/Spare Air Bottles		0
Weekly SCBA Inspection (see back)		
Safety Equipment: Cones, Flares		✓
Wheel Chocks		✓

	Sun.	Wed.
SCBA 1		0
SCBA 2		
SCBA 3		
		0
Spare 1		0
Spare 2		
Spare 3		

	Sun.	Wed.
Check Fluids		01/10/00
Engine Oil		✓
Transmission		✓
Coolant		✓
Brake/Air Pressure		✓
Power Steering		✓
Wiper Fluid		✓
Battery		✓
Check Battery Terminals/Cables		✓
Check Belts/Hoses		✓
Check Breather Valve/Transmission		✓
Check Front Brakes & Lines		✓
Check Rear Brakes & Lines		✓
Check Suspension/Steering Components		✓
Check Drive Line		✓
Check for any Fluid Leaks/Note		✓
Check Front/Rear Tire Wear/Tread		✓
Check Tire Pressures	LF	RF
	LF 130	RF 130
O = Outside	2nd Axle	O-LR O-RR
I = Inside		O-LR 130 O-RR 130
	I-LR I-RR	I-LR 130 I-RR 130
	3rd Axle	O-LR O-RR
		O-LR 130 O-RR 130
	I-LR I-RR	I-LR 130 I-RR 130

*** To be performed by Engineers.**

	Sun
1. Check Drive Belt(if applicable)	
2. Check Man/Auto Slack Adjusters	
Air Chambers, Air Lines	
3. Check Drums/Disc, Shoes/Pads	
4. Test Low Air-Pressure Warning	
5. Automatic Spring Brake Set	
6. Rate of Air-Pressure Build up	
7. Test Air Leakage Rate	
8. Check Air-Compressor Governor	
Cut In/Out	
9. Test Parking Brake - 20% grade	
10. Test Service Brake - 20mph/35ft	

	Sun
Check gauges:	Date:
Engine RPM	
Temperature	
Fuel	
Volt/Amps	
Check Pump Controls & Indicators	
Inspect/Operate Drain Valves	
Inspected all Intakes/Discharges	
Check Priming Pump Fluid/Operate	
Check Proper Operation of Relief Valve	
Flush & Drain Discharges	
Flush & Refill on 1st Saturday of Month	

(See Weekly SCBA Inspection Sheet)

Date: _____ Initials: _____

*** TENDERS/RESERVE ENGINES WILL BE RUN AND EXERCISED EVERYDAY!!!

SUN	MON	TUES	WED	THUR	FRI	SAT
	0		RM		RM	0

Revised: April 2009

Month/Year: Jan '10

Designator: TWK1

Shop # 3140

Dates:

Sun. 1/10 Wed. 1/13

Crew 1		
Crew 2		
Crew 3		
Mileage: (add to E.R. on Sunday)	4390	4400
Fuel Level:	7/8	5/8
Warning Lights, Buzzers, etc.	✓	✓
Gauges & Instruments	✓	✓
Oil/Air Pressure	✓	✓
Oil/Transmission Temp.	✓	✓
Coolant Temp.	✓	✓
Electrical: Volts/Amps	✓	✓
Radios/Headsets/Got Phone/Pager	✓	✓
Clipboard/Paperwork/Maps/Passport	0	0
Safety Vest/Brush Shirts/Fire Shelter	0	0
Lights: Running/warning/acene	✓	✓
Code 3 Equipment	✓	✓
Tires/Wheels	✓	✓
10 Step Air Brake Check (see back)	✓	✓
Cab/Hood Tilt-Eng. Inspect (see back)	✓	✓
Water Tank Level	0 * Full	Full
Daily Pump Check	✓	✓
Detailed Pump Check (see back)	✓	✓
Jump Bags (Airway/Trauma/Peds)	0	0
O2 Level	0	0
Miscellaneous Supplies	0	0
Drinking Water	✓	✓
Appliances/Hose 1-3/4", 3", 4"	✓	✓
Hard Suction 4", 6"	0	0
Tarp(s)	0	0
Portable Water Tank	0	0
LowFlow Strainer/Jet Siphon	0	0
Tie-down Kit	0	0
Gate Valves	0	0
Flashlights	✓	✓
Portable Extinguishers (ABC/PW)	0	0
Tool Bag/Tools	0	0
SCBA/Spare Air Bottles	0	0
Weekly SCBA Inspection (see back)	✓	✓
Safety Equipment: Cones, Flares	✓	✓
Wheel Chocks	✓	✓

1/10 TANK Filled, Pump check
 Intake/Discharge All Good
 Tower Waterway Flowed

SCBA 1	<i>0</i>	<i>0</i>
SCBA 2		
SCBA 3		
2nd Air Cylinder	<i>0</i>	<i>0</i>
3rd Air Cylinder	<i>0</i>	<i>0</i>
Spare 1	<i>0</i>	<i>0</i>
Spare 2		
Spare 3		

WEEKLY INSPECTIONS

		Sun.	Wed.
Check Fluids	Dates	<i>1/10</i>	
Engine Oil		<i>✓</i>	
Transmission		<i>✓</i>	
Coolant		<i>✓</i>	
Brake/Air Pressure		<i>✓</i>	
Power Steering		<i>✓</i>	
Wiper Fluid		<i>✓</i>	
Battery		<i>✓</i>	
Check Battery Terminals/Cables		<i>✓</i>	
Check Belts/Hoses		<i>✓</i>	
Check Breather Valve/Transmission		<i>✓</i>	
Check Front Brakes & Lines		<i>✓</i>	
Check Rear Brakes & Lines		<i>✓</i>	
Check Suspension/Steering Components		<i>✓</i>	
Check Drive Line		<i>✓</i>	
Check for any Fluid Leaks/Note		<i>✓</i>	
Check Front/Rear Tire Wear/Tread		<i>✓</i>	
Check Tire Pressures			
	LF <i>120</i>	RF <i>120</i>	LF <i>120</i>
	RF <i>120</i>	LF <i>120</i>	RF <i>120</i>
O = Outside	2nd Axle	O-LR <i>120</i>	O-RR <i>120</i>
I = Inside		I-LR <i>120</i>	I-RR <i>120</i>
	3rd Axle	O-LR <i>120</i>	O-RR <i>120</i>
		I-LR <i>120</i>	I-RR <i>120</i>

* To be performed by Engineers.

	Sun
1. Check Drive Belt(if applicable)	<i>✓</i>
2. Check Man./Auto Slack Adjusters	<i>✓</i>
Air Chambers, Air Lines	<i>✓</i>
3. Check Drums/Disc, Shoes/Pads	<i>✓</i>
4. Test Low Air-Pressure Warning	<i>✓</i>
5. Automatic Spring Brake Set	<i>✓</i>
6. Rate of Air-Pressure Build up	<i>✓</i>
7. Test Air Leakage Rate	<i>✓</i>
8. Check Air-Compressor Governor	<i>✓</i>
Cut In/Out	<i>✓</i>
9. Test Parking Brake - 20% grade	<i>✓</i>
10. Test Service Brake - 20mph/35ft	<i>✓</i>

		Sun
Check gauges:	Date:	<i>1/10</i>
Engine RPM		<i>✓</i>
Temperature		<i>✓</i>
Fuel		<i>✓</i>
Volt/Amps		<i>✓</i>
Check Pump Controls & Indicators		<i>✓</i>
Inspect/Operate Drain Valves		<i>✓</i>
Inspected all Intakes/Discharges		<i>✓</i>
Check Priming Pump Fluid/Operate		<i>✓</i>
Check Proper Operation of Relief Valve		<i>✓</i>
Flush & Drain Discharges		<i>✓</i>
Flush & Refill on 1st Saturday of Month		<i>Filled / FLUSH / DRAINED</i>

(See Weekly SCBA Inspection Sheet)

Date: _____ Initials: _____

*** TENDERS/RESERVE ENGINES WILL BE RUN AND EXERCISED EVERYDAY!!!

SUN	MON	TUES	WED	THUR	FRI	SAT
<i>1/10</i>	<i>1/11</i>		<i>1/12</i>			

- Daily Vehicle Check. TENDER/RESCUE ENGINE

Revised: April 2009

Month/Year: 01/10

Designator: Tower 151

Shop # 3140

Dates:

Sun.

Wed. 1/20

Vehicle Switches and Lights		
Crew 1		
Crew 2		
Crew 3		
Mileage: (add to E.R. on Sunday)	<u>4400</u>	<u>4400</u>
Fuel Level:	<u>75%</u>	<u>75%</u>
Vehicle Inspection		
Warning Lights, Buzzers, etc.	☒	☒
Gauges & Instruments	☒	☒
Oil/Air Pressure	☒	☒
Oil/Transmission Temp.	☒	☒
Coolant Temp.	☒	☒
Electrical: Volts/Amps	☒	☒
Radios/Headsets/Cell Phone/Pager	☒	☒
Clipboard/Paperwork/Maps/Passport	☒	☒
Safety Vest/Brush Shirts/Fire Shelter	☒	☒
Vehicle Inspection		
Lights: Running/warning/scene	☒	☒
Code 3 Equipment	☒	☒
Tires/Wheels	☒	☒
10 Step Air Brake Check (see back)	☒	☒
Cab/Hood Tilt-Eng. Inspect (see back)	☒	☒
Water Tank Level	☒	☒
Daily Pump Check	☒	☒
Detailed Pump Check (see back)	☒	☒
EVS Equipment		
Jump Bags (Airway/Trauma/Peds)	☒	☒
O2 Level	☒	☒
Miscellaneous Supplies	☒	☒
Drinking Water	☒	☒
Fire Equipment		
Appliances/Hose 1-3/4", 3", 4", 5"	☒	☒
Hard Suction 4", 6"	☒	☒
Tarp(s)	☒	☒
Portable Water Tank	☒	☒
Low Flow Strainer/Jet Siphon	☒	☒
Tie-down Kit	☒	☒
Gate Valves	☒	☒
Flashlights	☒	☒
Portable Extinguishers (ABC/PW)	☒	☒
Tool Bag/Tools	☒	☒
SCBA/Spare Air Bottles	☒	☒
Weekly SCBA Inspection (see back)	☒	☒
Safety Equipment: Cones, Flares	☒	☒
Wheel Chocks	☒	☒
Fire Equipment		

SCBA Check Dates	Sun.	Wed.
SCBA 1	☒	☒
SCBA 2		
SCBA 3		
Valve Emitters	☒	☒
Spare 1	☒	☒
Spare 2		
Spare 3		

WEEKLY INSPECTION

Check Fluids	Dates	Sun.	Wed.
Engine Oil	1/17	☒	☒
Transmission		☒	☒
Coolant		☒	☒
Brake/Air Pressure		☒	☒
Power Steering		☒	☒
Wiper Fluid		☒	☒
Battery		☒	☒
Check Battery Terminals/Cables		☒	☒
Check Belts/Hoses		☒	☒
Check Breather Valve/Transmission		☒	☒
Check Front Brakes & Lines		☒	☒
Check Rear Brakes & Lines		☒	☒
Check Suspension/Steering Components		☒	☒
Check Drive Line		☒	☒
Check for any Fluid Leaks/Note		☒	☒
Check Front/Rear Tire Wear/Tread		☒	☒
Check Tire Pressures	LF 120 RF 120	LF 120 RF 120	LF 120 RF 120
O = Outside	2nd Axle O-LR 120 O-RR 120	O-LR 120 O-RR 120	O-LR 120 O-RR 120
I = Inside	I-LR 120 I-RR 120	I-LR 120 I-RR 120	I-LR 120 I-RR 120
	3rd Axle O-LR 120 O-RR 120	O-LR 120 O-RR 120	O-LR 120 O-RR 120
	I-LR 120 I-RR 120	I-LR 120 I-RR 120	I-LR 120 I-RR 120

* To be performed by Engineers.

	Sun
1. Check Drive Belt(if applicable)	☒
2. Check Man./Auto Slack Adjusters	☒
Air Chambers, Air Lines	☒
3. Check Drums/Disc; Shoes/Pads	☒
4. Test Low Air-Pressure Warning	☒
5. Automatic Spring Brake Set	☒
6. Rate of Air-Pressure Build up	☒
7. Test Air Leakage Rate	☒
8. Check Air-Compressor Governor	☒
Cut In/Out	☒
9. Test Parking Brake - 20% grade	☒
10. Test Service Brake - 20mph/35ft	☒

Check gauges:	Date:	Sun
Engine RPM		☒
Temperature		☒
Fuel		☒
Volt/Amps		☒
Check Pump Controls & Indicators		☒
Inspect/Operate Drain Valves		☒
Inspected all Intakes/Discharges		☒
Check Priming Pump Fluid/Operate		☒
Check Proper Operation of Relief Valve		☒
Flush & Drain Discharges		☒
Flush & Refill on 1st Saturday of Month		☒

(See Weekly SCBA Inspection Sheet)

Date: _____ Initials: _____

*** TENDERS/RESERVE ENGINES WILL BE RUN AND EXERCISED EVERYDAY!!!

SUN	MON	TUES	WED	THUR	FRI	SAT
RM 18		RM	RM			

- Daily Vehicle Check. TENDER/RESCUE ENGINE

Revised: April 2009

Month/Year: Jan 10

Dates:

Designator: Tower 151

Shop # 3140

Sun. 1/24 Wed.

Crew 1		
Crew 2		
Crew 3		
Mileage: (add to E.R. on Sunday)	<u>4400</u>	<u>4401</u>
Fuel Level:	<u>1/2</u>	<u>1/2</u>
Engine/Instrument Panel/Function		
Warning Lights, Buzzers, etc.	☒	☒
Gauges & Instruments	☒	☒
Oil/Air Pressure	☒	☒
Oil/Transmission Temp.	☒	☒
Coolant Temp.	☒	☒
Electrical: Volts/Amps	☒	☒
Radios/Headsets/Cell Phone/Pager	☒	☒
Clipboard/Paperwork/Maps/Passport	☒	☒
Safety Vest/Brush Shirts/Fire Shelter	☒	☒
Medical		
Lights: Running/warning/scene	☒	☒
Code 3 Equipment	☒	☒
Tires/Wheels	☒	☒
10 Step Air Brake Check (see back)	☒	☒
Cab/Hood Tilt-Eng. Inspect (see back)	☒	☒
Water Tank Level	☒	☒
Daily Pump Check	☒	☒
Detailed Pump Check (see back)	☒	☒
EVS Equipment		
Jump Bags (Airway/Trauma/Peds)	☒	☒
O2 Level	☒	☒
Miscellaneous Supplies	☒	☒
Drinking Water	☒	☒
Fire Equipment		
Appliances/Hose 1-3/4", 3", 4", 5"	☒	☒
Hard Suction 4", 6"	☒	☒
Tarp(s)	☒	☒
Portable Water Tank	☒	☒
Low Flow Strainer/Jet Siphon	☒	☒
Tie-down Kit	☒	☒
Gate Valves	☒	☒
Flashlights	☒	☒
Portable Extinguishers (ABC/PW)	☒	☒
Tool Bag/Tools	☒	☒
SCBA/Spare Air Bottles	☒	☒
Weekly SCBA Inspection (see back)	☒	☒
Safety Equipment: Cones, Flares	☒	☒
Wheel Chocks	☒	☒

SCBA 1	Sun.	Wed.
SCBA 2	☒	☒
SCBA 3		
Wet/Dry Chamber	☒	☒
Spare 1	☒	☒
Spare 2		
Spare 3		

WEEKLY INSPECTIONS

Check Fluids	Dates	Sun.	Wed.
Engine Oil	1/24	☒	☒
Transmission		☒	☒
Coolant		☒	☒
Brake/Air Pressure		☒	☒
Power Steering		☒	☒
Wiper Fluid		☒	☒
Battery		☒	☒
Check Battery Terminals/Cables		☒	☒
Check Belts/Hoses		☒	☒
Check Breather Valve/Transmission		☒	☒
Check Front Brakes & Lines		☒	☒
Check Rear Brakes & Lines		☒	☒
Check Suspension/Steering Components		☒	☒
Check Drive Line		☒	☒
Check for any Fluid Leaks/Note		☒	☒
Check Front/Rear Tire Wear/Tread		☒	☒
Check Tire Pressures	LF 120 RF 120	LF 120 RF 120	LF 120 RF 120
O = Outside	2nd Axle O-LR 120 O-RR 120	O-LR 120 O-RR 120	O-LR 120 O-RR 120
I = Inside	I-LR 120 I-RR 120	I-LR 120 I-RR 120	I-LR 120 I-RR 120
	3rd Axle O-LR 120 O-RR 120	O-LR 120 O-RR 120	O-LR 120 O-RR 120
	I-LR 120 I-RR 120	I-LR 120 I-RR 120	I-LR 120 I-RR 120

* To be performed by Engineers.

	Sun
1. Check Drive Belt(if applicable)	☒
2. Check Man./Auto Slack Adjusters	☒
Air Chambers, Air Lines	☒
3. Check Drums/Disc, Shoes/Pads	☒
4. Test Low Air-Pressure Warning	☒
5. Automatic Spring Brake Set	☒
6. Rate of Air-Pressure Build up	☒
7. Test Air Leakage Rate	☒
8. Check Air-Compressor Governor	☒
Cut In/Out	☒
9. Test Parking Brake - 20% grade	☒
10. Test Service Brake - 20mph/35ft	☒

Check gauges:	Date:	Sun
Engine RPM		☒
Temperature		☒
Fuel		☒
Volt/Amps		☒
Check Pump Controls & Indicators		☒
Inspect/Operate Drain Valves		☒
Inspected all Intakes/Discharges		☒
Check Priming Pump Fluid/Operate		☒
Check Proper Operation of Relief Valve		☒
Flush & Drain Discharges		☒
Flush & Refill on 1st Saturday of Month		☒

(See Weekly SCBA Inspection Sheet)

Date: N/A Initials: _____

*** TENDERS/RESERVE ENGINES WILL BE RUN AND EXERCISED EVERYDAY!!!

SUN	MON	TUES	WED	THUR	FRI	SAT
RM		RM	G	RM	G	

Month/Year: Jan/Feb 10

Designator: TWIS/

Shop # 3140

Dates:

Sun.

Wed.

Revised: April 2009

over

Daily Vehicle Inspection		
Qualifications/Apparatus		
Crew 1		
Crew 2		
Crew 3		
Mileage: (add to E.R. on Sunday)	4413	4413
Fuel Level:	30%	39%
Engine/Transmission/Drivetrain		
Warning Lights, Buzzers, etc.	✓	✓
Gauges & Instruments	✓	
Oil/Air Pressure	✓	
Oil/Transmission Temp.	✓	
Coolant Temp.	✓	
Electrical: Volts/Amps	✓	
Radios/Headsets/Cell Phone/Pager	✓*	✓
Clipboard/Paperwork/Maps/Passport	✓	✓
Safety Vest/Brush-Shirts/Fire Shelter	✓	✓
Vehicle Condition		
Lights: Running/warning/scene	✓	✓
Code 3 Equipment	✓	✓
Tires/Wheels	✓	✓
10 Step Air Brake Check (see back)	✓	
Cab/Hood Tilt-Eng. Inspect (see back)	✓	✓
Water Tank Level	Full	F
Daily Pump Check	✓	✓
Detailed Pump Check (see back)	✓	
Emergency Equipment		
Jump Bags (Airway/Trauma/Peds)	✓	
O2 Level	✓	
Miscellaneous Supplies	✓	
Drinking Water	✓	
Fire Equipment		
Appliances/Hose 1-3/4", 3", 4"	✓	✓
Hard Suction 4", 6"	✓	✓
Tarp(s)	✓	✓
Portable Water Tank	✓	✓
Low Flow Strainer/Jet Siphon	✓	✓
Tie-down Kit	✓	✓
Gate Valves	✓	✓
Flashlights	✓	✓
Portable Extinguishers (ABC/PW)	✓	✓
Tool Bag/Tools	✓	✓
SCBA/Spare Air Bottles	✓	✓
Weekly SCBA Inspection (see back)	✓	✓
Safety Equipment: Cones, Flares	✓	✓
Wheel Chocks	✓	✓

* VWF skill @ Solidform

WEEKLY INSPECTIONS

* To be performed by Engineers.	
	Sun
1. Check Drive Belt(If applicable)	
2. Check Man./Auto Slack Adjusters Air Chambers, Air Lines	✓
3. Check Drums/Disc, Shoes/Pads	✓
4. Test Low Air-Pressure Warning	✓
5. Automatic Spring Brake Set	✓
6. Rate of Air-Pressure Build up	✓
7. Test Air Leakage Rate	✓
8. Check Air-Compressor Governor Cut In/Out	✓
9. Test Parking Brake - 20% grade	
10. Test Service Brake - 20mph/35ft	

(See Weekly SCBA Inspection Sheet)
Date: _____ Initials: _____

1/31 AH Slide Block Path: no "Machbar" - Shearwax - Pivot Shift Bearing - Bucket Glasses - Extra Radiation on Cylinders eye end - too late

***** TENDERS/RESERVE ENGINES WILL BE RUN AND EXERCISED EVERYDAY!!!**

SUN	MON	TUES	WED	THUR	FRI	SAT
6		PM		PM		

Revised: April 2009

Month/Year: Feb 10

Designator: TW-151

Shop # 3140

Dates:

Sun.

Wed.

Under the Hood/Switches/Amperage		
Crew 1		
Crew 2		
Crew 3		
Mileage: (add to E.R. on Sunday)	<u>4414</u>	
Fuel Level:	<u>27%</u>	
Cab Controls/Instruments/Engine/Fluids		
Warning Lights, Buzzers, etc.	☒	
Gauges & Instruments	☒	
Oil/Air Pressure	☒	
Oil/Transmission Temp.	☒	
Coolant Temp.	☒	
Electrical: Volts/Amps	☒	
* Radios/Headsets/Cell Phone/Pager	☒	
Clipboard/Paperwork/Maps/Passport	☒	
Safety Vest/Brush Shirts/Fire Shelter	☒	
Mechanical		
Lights: Running/warning/scene	☒	
Code 3 Equipment	☒	
Tires/Wheels	☒	
10 Step Air Brake Check (see back)	☒	
Cab/Hood Tilt-Eng. Inspect (see back)	☒	
Water Tank Level	<u>Full</u>	
Daily Pump Check	☒	
Detailed Pump Check (see back)	☒	
EMS Equipment		
Jump Bags (Airway/Trauma/Peds)	☒	
O2 Level	☒	
Miscellaneous Supplies	☒	
Drinking Water	☒	
Fire Equipment		
Appliances/Hose 1-3/4", 3", 4"	☒	
Hard Suction 4", 6"	☒	
Tarp(s)	☒	
Portable Water Tank	☒	
LowFlow Strainer/Jet Siphon	☒	
Tie-down Kit	☒	
Gate Valves	☒	
Flashlights	<u>X5</u>	
Portable Extinguishers (ABC/PW)	☒	
Tool Bag/Tools	<u>2</u>	
SCBA/Spare Air Bottles	<u>0</u>	
Weekly SCBA Inspection (see back)	☒	
Safety Equipment: Cones, Flares	☒	
Wheel Checks	<u>12</u>	
On the Road/In Service/Equipment		

Daily Inspections Continued

SCBA Checks	Sun.	Wed.
SCBA 1		
SCBA 2		
SCBA 3		
SCBA 4		
SCBA 5		
SCBA 6		
SCBA 7		
SCBA 8		
SCBA 9		
SCBA 10		

WEEKLY INSPECTIONS

Check Fluids	Dates	Sun.	Wed.
Engine Oil		✓	
Transmission		✓	
Coolant		✓	
Brake/Air Pressure		✓	
Power Steering		✓	
Wiper Fluid		✓	
Battery		✓	
Check Battery Terminals/Cables		✓	
Check Belts/Hoses		✓	
Check Breather Valve/Transmission		✓	
Check Front Brakes & Lines		✓	
Check Rear Brakes & Lines		✓	
Check Suspension/Steering Components		✓	
Check Drive Line		✓	
Check for any Fluid Leaks/Note		✓	
Check Front/Rear Tire Wear/Tread		✓	
Check Tire Pressures	LF 122 RF 122	LF 122 RF 122	LF 122 RF 122
O = Outside	2nd Axle O-LR 124 O-RR 120	O-LR 120 O-RR 120	O-LR 120 O-RR 120
I = Inside	I-LR 122 I-RR 120	I-LR 120 I-RR 120	I-LR 120 I-RR 120
	3rd Axle O-LR 124 O-RR 120	O-LR 120 O-RR 120	O-LR 120 O-RR 120
	I-LR 120 I-RR 120	I-LR 120 I-RR 120	I-LR 120 I-RR 120

* To be performed by Engineers.

	Sun
1. Check Drive Belt(if applicable)	N/A
2. Check Man./Auto Slack Adjusters	✓
Air Chambers, Air Lines	✓
3. Check Drums/Disc, Shoes/Pads	✓
4. Test Low Air-Pressure Warning	✓ 120
5. Automatic Spring Brake Set	✓ 120
6. Rate of Air-Pressure Build up	✓
7. Test Air Leakage Rate	✓
8. Check Air-Compressor Governor	✓
Cut In/Out	
9. Test Parking Brake - 20% grade	
10. Test Service Brake - 20mph/35ft	

Check gauges:	Date:	Sun
Engine RPM		
Temperature		
Fuel		
Volt/Amps		
Check Pump Controls & Indicators		
Inspect/Operate Drain Valves		
Inspected all Intakes/Discharges		
Check Priming Pump Fluid/Operate		
Check Proper Operation of Relief Valve		
Flush & Drain Discharges		
Flush & Refill on 1st Saturday of Month		

(See Weekly SCBA Inspection Sheet)

Date: N/A Initials: N/A

*** TENDERS/RESERVE ENGINES WILL BE RUN AND EXERCISED EVERYDAY!!!

- Daily Vehicle Check: TENDER/RESERVE ENGINE

Revised: April 2009

Month/Year: 2/10

Designator: TW151

Shop # 3140

Dates:

Sun.

Wed.

Indicate Switch, Horn, and Alarms		
Crew 1		
Crew 2		
Crew 3		
Mileage: (add to E.R. on Sunday)	4414	
Fuel Level:	25%	
Cab/Controls/Instrument Panel/Equipment		
Warning Lights, Buzzers, etc.	✓	
Gauges & Instruments	✓	
Oil/Air Pressure	✓	
Oil/Transmission Temp.	✓	
Coolant Temp.	✓	
Electrical: Volts/Amps	✓	
Radlos/Headsets/Cell Phone/Pager	✓	
Clipboard/Paperwork/Maps/Passport	✓	
Safety Vest/Brush Shirts/Fire Shelter	✓	
Mechanical		
Lights: Running/warning/scene	✓	
Code 3 Equipment	✓	
Tires/Wheels	✓	
10 Step Air Brake Check (see back)	* ✓	
Cab/Hood Tilt-Eng. Inspect (see back)	✓	
Water Tank Level	F	
Daily Pump Check	✓	
Detailed Pump Check (see back)	✓	
EMS Equipment		
Jump Bags (Airway/Trauma/Peds)		
O2 Level		
Miscellaneous Supplies		
Drinking Water	✓	
Miscellaneous		
Appliances/Hose 1-3/4", 3", 4"		
Hard Suction 4", 6"	N/A	
Tarp(s)	✓	
Portable Water Tank	N/A	
LowFlow Strainer/Jet Siphon	N/A	
Tie-down Kit	N/A	
Gate Valves	✓	
Flashlights	✓	
Portable Extinguishers (ABC/PW)	✓	
Tool Bag/Tools	N/A	
SCBA/Spare Air Bottles	N/A	
Weekly SCBA Inspection (see back)		
Safety Equipment: Cones, Flares	✓	
Wheel Chocks	✓ x2	
Damaged or Missing Equipment		

HAS PRO ENG
99.9 257

114419

Shop 6824

9830

2655

M 12/101

114420

80651

HAS

3135

7417

Daily Inspections Continued

SCBA/Check	Sun.	Wed.
SCBA 1	N/A	
SCBA 2		
SCBA 3		
Voice Emitters	⊖	
Spare 1	N/A	
Spare 2		
Spare 3		

WEEKLY INSPECTIONS

Category	Check	Dates	Sun.	Wed.
Check Fluids	Engine Oil	2/14/10	✓	
	Transmission		✓	
	Coolant		✓	
	Brake/Air Pressure		✓	
	Power Steering		✓	
	Wiper Fluid		✓	
	Battery		✓	
Check Battery Terminals/Cables			✓	
Check Belts/Hoses			✓	
Check Breather Valve/Transmission			✓	
Check Front Brakes & Lines			✓	
Check Rear Brakes & Lines			✓	
Check Suspension/Steering Components			✓	
Check Drive Line			✓	
Check for any Fluid Leaks/Note			✓	
Check Front/Rear Tire Wear/Tread			✓	
Check Tire Pressures	LF 120	RF 120	LF	RF
O = Outside	2nd Axle O-LR 110	O-RR 115	O-LR	O-RR
I = Inside	I-LR 116	I-RR 120	I-LR	I-RR
	3rd Axle O-LR 114	O-RR 115	O-LR	O-RR
	I-LR 118	I-RR 120	I-LR	I-RR

* To be performed by Engineers.

Check	Sun
1. Check Drive Belt(if applicable)	N/A
2. Check Man./Auto Slack Adjusters	✓
Air Chambers, Air Lines	✓
3. Check Drums/Disc, Shoes/Pads	✓
4. Test Low Air-Pressure Warning	✓
5. Automatic Spring Brake Set	✓
6. Rate of Air-Pressure Build up	✓
7. Test Air Leakage Rate	✓
8. Check Air-Compressor Governor	✓
Cut In/Out	
9. Test Parking Brake - 20% grade	
10. Test Service Brake - 20mph/35ft	

Daily Engine Check	Sun 2/14
Check gauges:	Date: 2/14/10
Engine RPM	✓
Temperature	✓
Fuel	✓
Volt/Amps	✓
Check Pump Controls & Indicators	✓
Inspect/Operate Drain Valves	✓
Inspected all Intakes/Discharges	✓
Check Priming Pump Fluid/Operate	✓
Check Proper Operation of Relief Valve	✓
Flush & Drain Discharges	✓
Flush & Refill on 1st Saturday of Month	

(See Weekly SCBA Inspection Sheet)

Date: _____ Initials: _____

*** TENDERS/RESERVE ENGINES WILL BE RUN AND EXERCISED EVERYDAY!!!

- Daily Vehicle Check: TENDER/RESERVE ENGINE

Revised: April 2009

Month/Year: 2/10

Designator: W151

Shop # 3140

Dates:

Sun.

Wed.

Vehicle Switches/Buttons		
Crew 1		
Crew 2		
Crew 3		
Mileage: (add to E.R. on Sunday)	4567	4567
Fuel Level:	V2+	1/2
Cab Controls/Instrument Panel/Equipment		
Warning Lights, Buzzers, etc.		✓
Gauges & Instruments		✓
Oil/Air Pressure		✓
Oil/Transmission Temp.		✓
Coolant Temp.		✓
Electrical: Volts/Amps		✓
Radios/Headsets/Cell Phone/Pager		✓
Clipboard/Paperwork/Maps/Passport		✓
Safety Vest/Brush Shirts/Fire Shelter		✗
Mechanical		
Lights/Running/warning/scene		✓
Code 3 Equipment		✓
Tires/Wheels		✓
10 Step Air Brake Check(see back)	*	✗
Cab/Hood Tilt-Eng. Inspect (see back)		✓
Water Tank Level		✗
Daily Pump Check		✗
Detailed Pump Check (see back)		✗
PVS Equipment		
Jump Bags(Airway/Trauma/Peds)		N/A
O2 Level		
Miscellaneous Supplies		
Drinking Water		
Fire Equipment		
Appliances/Hose 1-3/4", 3", 4", 5"		✓
Hard Suction 4", 6"		✗
Tarp(s)		✓
Portable Water Tank		N/A
LowFlow Strainer/Jet Siphon		
Tie-down Kit		
Gate Valves		
Flashlights		
Portable Extinguishers(ABC/PW)		
Tool Bag/Tools		
SCBA/Spare Air Bottles		
Weekly SCBA Inspection (see back)		
Safety Equipment: Cones, Flares		1.1
Wheel Chocks		✓
Damaged or Missing Equipment		

* SC Radio ?

263hrs

Daily Inspections Continued

SCBA Check	Dates	Sun.	Wed.
SCBA 1			
SCBA 2			
SCBA 3			
Voice Emitters			
Spare Air Bongs			
Spare 1			
Spare 2			
Spare 3			

WEEKLY INSPECTIONS

Check Fluids	Dates	Sun.	Wed.
Engine Oil			2/24
Transmission			✓
Coolant			✓
Brake/Air Pressure			✓
Power Steering			✓*
Wiper Fluid			✓
Battery			✓
Check Battery Terminals/Cables			✓
Check Belts/Hoses			✓
Check Breather Valve/Transmission			✓
Check Front Brakes & Lines			✓
Check Rear Brakes & Lines			✓
Check Suspension/Steering Components			✓
Check Drive Line			✓
Check for any Fluid Leaks/Note			✓
Check Front/Rear Tire Wear/Tread			✓
Check Tire Pressures	LF 120 RF 120 LF 120 RF 120		
O = Outside	2nd Axle O-LR 114 O-RR 120 O-LR 115 O-RR 120		
I = Inside	I-LR 120 I-RR 120 I-LR 120 I-RR 120		
	3rd Axle O-LR 120 O-RR 120 O-LR 120 O-RR 120		
	I-LR 120 I-RR 120 I-LR 120 I-RR 120		

* To be performed by Engineers.

	Sun
1. Check Drive Belt(if applicable)	
2. Check Man./Auto Slack Adjusters	
Air Chambers, Air Lines	
3. Check Drums/Disc, Shoes/Pads	
4. Test Low Air-Pressure Warning	
5. Automatic Spring Brake Set	
6. Rate of Air-Pressure Build up	
7. Test Air Leakage Rate	
8. Check Air-Compressor Governor	
Cut In/Out	
9. Test Parking Brake - 20% grade	
10. Test Service Brake - 20mph/35ft	

Check gauges:	Date:	Sun
Engine RPM		
Temperature		
Fuel		
Volt/Amps		
Check Pump Controls & Indicators		
Inspect/Operate Drain Valves		
Inspected all Intakes/Discharges		
Check Priming Pump Fluid/Operate		
Check Proper Operation of Relief Valve		
Flush & Drain Discharges		
Flush & Refill on 1st Saturday of Month		

(See Weekly SCBA Inspection Sheet)

Date: _____ Initials: _____

*** TENDERS/RESERVE ENGINES WILL BE RUN AND EXERCISED EVERYDAY!!!

- Daily Vehicle Check: TENDER/RESERVE ENGINE

Revised: April 2009

Month/Year: 03/10

Designator: TW151

Shop # 3140

Dates:

Sun.

Wed.

Vehicle Status/Engine		
Crew 1		
Crew 2		
Crew 3		
Mileage: (add to E.R. on Sunday)	4256	
Fuel Level:	Full	
CAB CONTROLS/INSTRUMENTS AND EQUIPMENT		
Warning Lights, Buzzers, etc.	✓	
Gauges & Instruments	✓	
Oil/Air Pressure	✓	
Oil/Transmission Temp.	✓	
Coolant Temp.	✓	
Electrical: Volts/Amps	✓	
Radios/Headsets/Cell Phone/Pager	✓	
Clipboard/Paperwork/Maps/Passport	✓	
Safety Vest/Brush Shirts/Fire Shelter	✓	
MECHANICAL		
Lights: Running/warning/scene	✓	
Code 3 Equipment	✓	
Tires/Wheels	✓	
10 Step Air Brake Check (see back)	✓	
Cab/Hood Tilt-Eng. Inspect (see back)	✓	
Water Tank Level	0	
Daily Pump Check	0	
Detailed Pump Check (see back)	0	
FIRE EQUIPMENT		
Jump Bags (Airway/Trauma/Peds)	✓	
O2 Level	2200	
Miscellaneous Supplies	✓	
Drinking Water	✓	
FIRE COMPARTMENT		
Appliances/Hose 1-3/4", 3", 4"	✓	
Hard Suction 4", 6"	✓	
Tarp(s)	✓	
Portable Water Tank	0	
Low Flow Strainer/Jet Siphon	0	
Tie-down Kit	0	
Gate Valves	✓	
Flashlights	✓	
Portable Extinguishers (ABC/PW)	✓	
Tool Bag/Tools	✓	
SCBA/Spare Air Bottles	0	
Weekly SCBA Inspection (see back)	0	
Safety Equipment: Cones, Flares	✓	
Wheel Chocks	✓	

Damaged or Missing Equipment

Daily Inspections Continued

SCBA Check	Sun.	Wed.
SCBA 1	☒	
SCBA 2		
SCBA 3		
Vehicle Number	☒	
Spare 1	☒	
Spare 2		
Spare 3		

WEEKLY INSPECTIONS

Check Fluids	Dates	Sun.	Wed.
Engine Oil	3/28	☒	
Transmission		☒	
Coolant		☒	
Brake/Air Pressure		☒	
Power Steering		☒	
Wiper Fluid		☒	
Battery		☒	
Check Battery Terminals/Cables		☒	
Check Belts/Hoses		☒	
Check Breather Valve/Transmission		☒	
Check Front Brakes & Lines		☒	
Check Rear Brakes & Lines		☒	
Check Suspension/Steering Components		☒	
Check Drive Line		☒	
Check for any Fluid Leaks/Note		☒	
Check Front/Rear Tire Wear/Tread		☒	
Check Tire Pressures	LF 20 RF 20	LF RF	
O = Outside	2nd Axle O-LR/20 O-RR/20	O-LR O-RR	
I = Inside	I-LR 20 I-RR 20	I-LR I-RR	
	3rd Axle O-LR/20 O-RR/20	O-LR O-RR	
	I-LR 20 I-RR 20	I-LR I-RR	

* To be performed by Engineers.

	Sun
1. Check Drive Belt(if applicable)	☒
2. Check Man./Auto Slack Adjusters	☒
Air Chambers, Air Lines	☒
3. Check Drums/Disc, Shoes/Pads	☒
4. Test Low Air-Pressure Warning	☒
5. Automatic Spring Brake Set	☒
6. Rate of Air-Pressure Build up	☒
7. Test Air Leakage Rate	☒
8. Check Air-Compressor Governor	☒
Cut In/Out	☒
9. Test Parking Brake - 20% grade	☒
10. Test Service Brake - 20mph/35ft	☒

Check gauges:	Date:	Sun
Engine RPM	3/28	☒
Temperature		☒
Fuel		☒
Volt/Amps		☒
Check Pump Controls & Indicators		☒
Inspect/Operate Drain Valves		☒
Inspected all Intakes/Discharges		☒
Check Priming Pump Fluid/Operate		☒
Check Proper Operation of Relief Valve		☒
Flush & Drain Discharges		☒
Flush & Refill on 1st Saturday of Month		

(See Weekly SCBA Inspection Sheet)

Date: _____ Initials: _____

*** TENDERS/RESERVE ENGINES WILL BE RUN AND EXERCISED EVERYDAY!!!

SUN	MON	TUES	WED	THUR	FRI	SAT
pm						

Daily Vehicle Check: Tower 151

Revised: 3/06/2010

Month/Year: March, 20

Shop #: 3140

Dates: Sun. Mon. Tues. Wed. Thurs. Fri. Sat.

		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1								
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 15th				4728			
Engine Hrs:	1st and 15th				284			
Aerial Hours	1st and 15th							
Generator Hours	1st and 15th							
Fuel Level:	Capacity: 65 gallons				3/4			
Cab/Control/Instrument Panel/Controls								
Warning Lights, Buzzers, etc.					✓			
Gauges & Instruments					✓			
Oil/Air Pressure					✓			
Oil/Transmission Temp.					✓			
Coolant Temp.					✓			
Electrical: Volts/Amps					✓ 14.1			
Radios/Headsets/Cell Phone/Pager					✓			
Clipboard/Paperwork/Maps/Passport					✓			
Safety Vest/Brush Shirts/Fire Shelter					✓			
Survivor Flashlights					✓			
Supra Key / RAD Detector					✓			
Thermal Camera (TIC) Batteries					✓			
Mechanical/Electrical								
Lights: Running/warning/scene					✓			
Code 3 Equipment					✓			
Tires / Wheels					✓			
10 Step Air Brake Check (see back)			*					
Detailed Aerial Check (see pg. 3)			*					
Aerial PTO - #1					✓			
Hydraulic Generator PTO - #2					✓			
Cab / Hood Tilt-Eng. Inspect (see pg. 2)	*				✓			
Water Tank Level	300 gallons							
Foam tank Level	30 gallons				✓			
Daily Pump Check								
Detailed Pump Check (see pg. 2)								*
EMS Equipment								
Jump Bags (Airway/Trauma/Peds)					✓			
O2 Level					✓			
ECG Monitor (Weekly Detail Check)					✓			
CEP Drug Box / RSI Drug Box					✓			
Suction Unit					✓			
Miscellaneous Supplies					✓			
Drinking Water					✓			
Fire Equipment								
Hand Tools/Wild Land/Appliances					✓			
Engineers Headset/Flashlights					✓			
Portable Extinguishers (ABC/PW)					✓			
Power Tools / Fuel Cans					✓			
Run Power Tools (see back)		*				*		
Tool Bag/Tools/Slim Jim					✓			
Snake Box/Pole					✓			
Foam containers/Eductor					✓			
SCBA/Spare Air Bottles					✓			
Weekly SCBA Inspection (see pg. 2)							*	
RIT Bag / Safety Ropes					✓			

FIRE EQUIPMENT (Continued)											
Safety Equipment: Cones, Flares											
Wheel Chocks							✓				
Ladders							✓				
Portable Monitor w/ chains							✓				
Daily Inspection											
SCBA				Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	
SCBA 1 Captain											
SCBA 2 Engineer											
SCBA 3 FF #1											
SCBA 4 FF #2											
SCBA 5											
RIC BAG											
Voice Recorder											
Spare Air Bunkers											
Spare 1											
Spare 2											
Spare 3											
Spare 4											
Spare 5											
Spare 6											
Weekly Inspections											
Check Fluids				Sun.	Wed.	10 Step Air-Brake Check					
Engine Oil					3/24	Tues.					
Transmission					✓						
Coolant					✓						
Brake/Air Pressure					✓	1. Check Man./Auto Slack Adjusters ✓					
Power Steering					✓	2. Air Chambers, Air lines ✓					
Wiper Fluid					✓	3. Check Drums/Disc, Shoes/Pads ✓					
Check Battery Battery					✓	4. Test Low Air-Pressure Warning ✓ 75					
Check Belts/Hoses					✓	5. Automatic Spring Brake Set ✓ 45					
Check Breather Valve/Transmission					✓	6. Rate of Air-Pressure Build up ✓					
Check Front Brakes & Lines					✓	7. Test Air Leakage Rate ✓					
Check Rear Brakes and Lines					✓	8. Check Air-Compressor Governor Cut In/Out ✓					
Check Suspension/Steering Components					✓	9. Test Parking Brake - 20% grade					
Check Drive Line					✓	10. Test Service Break - 20 mph / 35'					
Check for any Fluid Leaks/Note					✓						
Check Front/Rear Tire Wear/Tread					✓						
Check Tire Pressures				LF	RF	Mon. Thurs.					
All at 120				2nd Axle	O-LR	O-RR	LF 120	RF 120			
					I-LR	I-RR	I-LR 120	I-RR 120			
O = Outside				3rd Axle	O-LR	O-RR	O-LR 120	O-RR 120			
I = Inside					I-LR	I-RR	I-LR 120	I-RR 120			
Daily Pump Checks											
Check gauges:				Date	Sat.						
Engine RPM											
Temperature											
Fuel											
Check Pump Volt/Amps											
Inspect/Operate Drain Valves											
Inspected all Intakes/Discharges											
Check Priming Pump Operation											
Check Proper Operation of Relief Valve											
Flush & Drain Discharges											
1st Sat. of month Flush and Refill Tank											
Foam System Check											
Perform Weekly SCBA Inspections (See Weekly SCBA Inspection Sheet)											
Date: Initials:											
Date: Initials:											

Weekly Aerial Inspection Items	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Stabilization System							
Hydraulic Reservoir Level							
Hydraulic leaks							
Ground Jack Control Panel:							
R / L Mid-Ship Stabilizers							
Auxiliary Ground Pads							
Rear Jacks							
Front Cab Jacks							
Stabilizer Interlock Graphic Display							
Audible Warning System							
Aux. Hydraulic Pump							
Hydraulic Transfer / Upper Power							
Turntable Controls							
Breathing Air System pressure							
Raise / Lower							
Extend / Retract							
360 R / L Full Rotation @ 80 degrees							
Functional Graphic Display Panel							
Boom lights - Alarm Test - Ladder Lights							
PA / PPT Mike							
Turn Table Flood Lights							
Bucket Control Switch							
Safety Override Switch's							
Manual Hydraulic Override Controls							
Pedestal Hydraulic Lines, Any Leaks							
Safety Lines							
Smart Boom Warning System							
Stabilizer Interlock Override							
Rotational Interlock System							
Platform Controls							
Functional Graphic Display Panel							
Bucket Control Power							
Creep Mode/Low range							
Raise / Lower							
Extend / Retract							
Rotation R / L							
Self Leveling System/Emg. Stop/Disable							
Leveling System Override							
Hyd. Reservoir for Leveling System							
Spot / Flood Lights / Ladder Lights							
Panel Light, Alarm Silence							
Manual and Remote Nozzle Controls							
Master Streams, Aux. Discharges							
Water Control Valves							
Platform Folding Egress Ladder							
Stokes Basket Arms, Lifting Eyes							
Breathing Air Gauge and Hook Ups							
Access/Egress Doors							
Hand Tools / Holders							
Waterway and Ladder							
5 Ladder Sections, Slide Block Paths							
Aerial Extension / Retraction Cylinders							
Water Way Tubes							
Turn Table Hydraulic Lines							
Sheaves and Cables							
Cable Track / Wiring Harness							
Bucket Hydraulic Lines							
Bucket Leveling Cylinders							
Missed or Damaged Components							

~~Draft~~
Daily Vehicle Check: Tower 151

Revised: 3/06/2010

Month/Year: March 10

Shop #: 3140

Dates: Sun. 14 Mon. 15 Tues. 16 Wed. 17 Thurs. 18 Fri. 19 Sat. 20

	Sun. 14	Mon. 15	Tues. 16	Wed. 17	Thurs. 18	Fri. 19	Sat. 20
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th	4702	4702		4719			
Engine Hrs: 1st and 15th		278		282			
Aerial Hours 1st and 15th		20.5		107.8			
Generator Hours 1st and 15th							
Fuel Level: Capacity: 65 gallons	F	F		7/8			
Warning Lights, Buzzers, etc.							
Gauges & Instruments	✓	✓		✓			
Oil/Air Pressure	✓	✓		✓			
Oil/Transmission Temp.	✓	✓		✓			
Coolant Temp.	✓	✓		✓			
Electrical: Volts/Amps	✓	✓		✓			
Radios/Headsets/Cell Phone/Pager	✓	✓		✓			
Clipboard/Paperwork/Maps/Passport	/	/		/			
Safety Vest/Brush Shirts/Fire Shelter	/	/		/			
Survivor Flashlights	X4	X4		X4			
Supra Key / RAD Detector	/	/		✓			
Thermal Camera (TIC) Batteries	✓	✓		✓			
Lights: Running/warning/scene							
Code 3 Equipment	✓	✓		✓			
Tires / Wheels	✓	✓		✓			
10 Step Air Brake Check (see back)			*				
Detailed Aerial Check (see pg. 3)			*				
Aerial PTO - #1	✓						
Hydraulic Generator PTO - #2	✓			✓			
Cab / Hood Tilt-Eng. Inspect (see pg. 2)	✓			✓			
Water Tank Level 300 gallons	N/A	N		N/A			
Foam tank Level 30 gallons	F	F		F			
Daily Pump Check	✓			✓			
Detailed Pump Check (see pg. 2)							*
EMS Equipment							
Jump Bags (Airway/Trauma/Peds)	/	/		/			
O2 Level	/	/		/			
ECG Monitor (Weekly Detail Check)	/	/		/			
CEP Drug Box / RSI Drug Box	/	/		/			
Suction Unit	/	/		/			
Miscellaneous Supplies	/	/		/			
Drinking Water	/	/		/			
Fire Equipment							
Hand Tools/Wild Land/Appliances	/	/		/			
Engineers Headset/Flashlights	✓4	✓4		X4			
Portable Extinguishers (ABC/PW)	✓	✓		✓			
Power Tools / Fuel Cans	✓	✓		✓			
Run Power Tools (see back)		*		*			
Tool Bag/Tools/Slim Jim	/	/		/			
Snake Box/Pole	/	/		/			
Foam containers/Eductor	/	/		/			
SCBA/Spare Air Bottles	/	/		/			
Weekly SCBA Inspection (see pg. 2)							*
RIT Bag / Safety Ropes	/	/		/			
Air/Gas Monitor (check charts on Fri.)	/	/		/			

FIRE EQUIPMENT CONTINUED

Safety Equipment: Cones, Flares	✓	✓		✓			
Wheel Chocks	✓	✓		X2			
Ladders	✓	✓		✓			
Portable Monitor w/ chains	✓	✓		✓			

DAILY INSPECTIONS CONTINUED

SCBA 1	Captain	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 2	Engineer							
SCBA 3	FF #1							
SCBA 4	FF #2							
SCBA 5								
RIC BAG								
SPARE 1								
SPARE 2								
SPARE 3								
SPARE 4								
SPARE 5								
SPARE 6								

WEEKLY INSPECTIONS

Check Fluids	Dates	Sun. 3/14	Wed. 3/17	Tues.
Engine Oil		✓	✓	
Transmission			✓	
Coolant		✓	✓	
Brake/Air Pressure		✓	✓	
Power Steering		✓	✓	
Wiper Fluid		✓	✓	
Check Battery/Battery		✓	✓	
Check Belts/Hoses		✓	✓	
Check Breather Valve/Transmission		✓	✓	
Check Front Brakes & Lines		✓	✓	
Check Rear Brakes and Lines		✓	✓	
Check Suspension/Steering Components		✓	✓	
Check Drive Line		✓	✓	
Check for any Fluid Leaks/Note		✓	✓	
Check Front/Rear Tire Wear/Tread		✓	✓	

Check Tire Pressures	LF 120	RF 120	LF 120	RF 120
All at 120				
2nd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120
I-LR 120	I-RR 120	I-LR 120	I-RR 120	
3rd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120
I-LR 120	I-RR 120	I-LR 120	I-RR 120	

PERFORM FIRE EQUIPMENT

Check gauges:	Date	Sat.
Engine RPM		
Temperature		
Fuel		
Check Pump Volt/Amps		
Inspect/Operate Drain Valves		
Inspected all Intakes/Discharges		
Check Priming Pump Operation		
Check Proper Operation of Relief Valve		
Flush & Drain Discharges		
1st Sat. of month Flush and Refill Tank		
Foam System Check		

10 Step Air-Brake Check	Tues.
1. Check Drive Belt (if applicable)	NA
2. Check Man/Auto Slack Adjusters	
Air Chambers, Air Lines	
3. Check Drums/Disc, Shoes/Pads	
4. Test Low Air-Pressure Warning	✓
5. Automatic Spring Brake Set	✓
6. Rate of Air-Pressure Build up	✓
7. Test Air Leakage Rate	✓
8. Check Air-Compressor Governor	✓
Cut In/Out	
9. Test Parking Brake 20% grade	
10. Test Service Brake 20 mph 2.35'	

	Mon.	Thurs.
Hydraulic Generator		
Portable Generator		
Fan(s)		
Circular Saw/Blades		
Chain Saw/Inspect Chain		
Power plant-Rescue Tool		
Inspect Saws-all		
Refuel as Needed		
Check Maintenance Tag		
Inspect Ladders/Halyards/Locks/etc.		

Perform Weekly SCBA Inspections	
(See Weekly SCBA Inspection Sheet)	
Date:	Initials:
Date:	Initials:

*Ball Hydraulic
Breathing Air Bottle*

Bucket - Master Stream Valves open

Weekly Aerial Disposition of Jack							
Station / Aerial System / Apparatus	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level							
Hydraulic leaks							
Ground Jack Control Panel:							
R / L Mid-Ship Stabilizers							
Auxiliary Ground Pads							
Rear Jacks							
Front Cab Jacks							
Stabilizer Interlock Graphic Display							
Audible Warning System							
Aux. Hydraulic Pump							
Hydraulic Transfer / Upper Power							
Turn Table Controls							
Raise / Lower							
Extend / Retract							
360 R / L Full Rotation @ 80 degrees							
Functional Graphic Display Panel							
Boom lights - Alarm Test - Ladder Lights							
PA / PPT Mike							
Turn Table Light							
Bucket Control Switch							
Safety Override Switch's							
Manual Hydraulic Override Controls							
Pedestal Hydraulic Lines, Any Leaks							
Safety Lines							
Smart Boom Warning System							
Stabilizer Interlock Override							
Rotational Interlock System							
Functional Graphic Display Panel							
Bucket Control Power							
Creep Mode/Low range							
Raise / Lower							
Extend / Retract							
Rotation R / L							
Self Levelling System/Emg. Stop/Disable							
Leveling System Override							
Hyd. Reservoir for Levelling System							
Spot / Flood Lights / Ladder Lights							
Panel Light, Alarm Silence							
Manual and Remote Nozzle Controls							
Master Stream, 2.5", and							
Water Curtain Valves							
Platform Folding Egress Ladder							
Stokes Basket Arms, Lifting Eyes							
Breathing Air Gauge and Hook Ups							
Access/Egress Doors							
Hand Tools / Holders							
5 Ladder Sections, Slide Block Paths							
Aerial Extension / Retraction Cylinders							
Water Way Tubes							
Turn Table Hydraulic Lines							
Sheaves and Cables							
Cable Track / Wiring Harness							
Bucket Hydraulic Lines							
Bucket Levelling Cylinders							
Master Stream, 2.5", and							



Daily Vehicle Check: ENGINE

Revised: 04/2007

Month/Year: 3/10

Designator: TW/SL

Shop #: 3146

Dates:

Sun.

Mon.

Tues.

Wed. 3/3

Thurs.

Fri.

Sat.

	Sun.	Mon.	Tues.	Wed. <u>3/3</u>	Thurs.	Fri.	Sat.
Thermal Camera (TIC) Batteries							
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: (add to E.R. on Sunday)							
Fuel Level:				Full	Full		
Cab Controls/Instrument Panel/Alarm/Signal							
Warning Lights, Buzzers, etc.				✓	✓		
Gauges & Instruments				✓	✓		
Oil/Air Pressure				✓	✓		
Oil/Transmission Temp.				✓	✓		
Coolant Temp.				✓	✓		
Electrical: Volts/Amps				✓	✓		
Radios/Headsets/Cell Phone/Pager				✓	✓		
Clipboard/Paperwork/Maps/Passport				✓	✓		
Safety Vest/Brush Shirts/Fire Shelter				✓	✓		
Survivor Flashlights				✓	✓		
Supra Key/RAD Detector				✓	✓		
Thermal Camera (TIC) Batteries				✓	✓		
Mechanical							
Lights: Running/warning/scene				✓	✓		
Code 3 Equipment				✓	✓		
Tires/Wheels				✓	✓		
10 Step Air Brake Check (see back)							
Cab/Hood Tilt-Eng. Inspect (see back)				✓			
Water Tank Level				✓	✓		
Daily Pump Check				✓	✓		
Detailed Pump Check (see back)							
EMS Equipment							
Jump Bags (Airway/Trauma/Peds)				✓	✓		
O2 Level				✓	✓		
ECG Monitor (Weekly Detail Check)				✓	✓		
CEP Drug Box/RSI Drug Box				✓	✓		
Suction Unit				✓	✓		
Miscellaneous Supplies				✓	✓		
Drinking Water				✓	✓		
Fire Equipment							
Hand Tools/Wild Land/Appliances				✓	✓		
Engineers Headset/Flashlights				✓	✓		
Portable Extinguishers (ABC/PW)				✓	✓		
Power Tools / Fuel Cans				✓	✓		
Run Power Tools (see back)							
Tool Bag/Tools/Slim Jim				✓	✓		
Snake Box/Pole				✓	✓		
Foam containers/Eductor				✓	✓		
SCBA/Spare Air Bottles				✓	✓		
Weekly SCBA Inspection (see back)							
RIT Bag / Safety Ropes				✓	✓		
Air/Gas Monitor (check charge on Fri.)				✓	✓		
Safety Equipment: Cones, Flares				✓	✓		
Wheel Chocks				✓	✓		
Ladders				✓	✓		
Portable Monitor w/ chains				✓	✓		
Damage to Vehicle/Equipment							

Daily Inspections Continued

ENGINE

Date	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1				✓	✓		
SCBA 2					✓		
SCBA 3							
SCBA 4							
SCBA 5							
SCBA 6							
Spare 1				✓	✓		
Spare 2							
Spare 3							
Spare 4							
Spare 5							
Spare 6							

WEEKLY INSPECTIONS

Date	Sun.	Wed.	Tues.	Thurs.	Fri.	Sat.
Check Fluids		3/3				
Engine Oil		✓				
Transmission		✓				
Coolant		✓				
Brake/Air Pressure		✓				
Power Steering		✓				
Wiper Fluid		✓				
Battery		✓				
Check Battery Terminals/Cables		✓				
Check Belts/Hoses		✓				
Check Breather Valve/Transmission		✓				
Check Front Brakes & Lines		✓				
Check Rear Brakes and Lines		✓				
Check Suspension/Steering Components		✓				
Check Drive Line		✓				
Check for any Fluid Leaks/Note		✓				
Check Front/Rear Tire Wear/Tread		✓				
Check Tire Pressures	LF	RF	LF 30	RF 30		
O = Outside	O-LR	O-RR	O-LR 40	O-RR 30		
I = Inside	I-LR	I-RR	I-LR 30	I-RR 30		

* To be performed by Engineers.

Tues.
1. Check Drive Belt (if applicable)
2. Check Man/Auto Slack Adjusters
3. Check Drums/Disc, Shoes/Pads
4. Test Low Air-Pressure Warning
5. Automatic Spring Brake Set
6. Rate of Air-Pressure Build up
7. Test Air Leakage Rate
8. Check Air-Compressor Governor
Cut In/Out
9. Test Parking Brake - 20% grade
10. Test Service Brake - 20mph/35ft

Mon.	Thurs.
Generator(s)	
Fan(s)	
Circular Saw/Blades	
Chain Saw/Inspect Chain	
Powerplant-Rescue Tool	
Inspect Saws-all	
Refuel as Needed	
Check Maintenance Tag	

Maintenance Checklist		Sat.
Check gauges:	Date:	
Engine RPM		
Temperature		
Fuel		
Volt/Amps		
Check Pump Controls & Indicators		
Inspect/Operate Drain Valves		
Inspected all Intakes/Discharges		
Check Priming Pump Fluid/Operate		
Check Proper Operation of Relief Valve		
Flush & Drain Discharges		
Flush Tank and Refill		

Thurs.
Inspect Ladder Racks
Inspect Ladders/Halyards/Locks/etc.

Friday Inspections:

(See Weekly SCBA Inspection Sheet)	
Date: _____	Initials: _____
Date: _____	Initials: _____

- Daily Vehicle Check: TENDER/RESERVE ENGINE

Revised: April 2009

Month/Year: 3/10

Designator: TW 151

Shop # 3140

Dates: Sun. 7 Wed. 10

Initials/Signature/Date		
Crew 1		
Crew 2		
Crew 3		
Mileage: (add to E.R. on Sunday)	4677	4677
Fuel Level:	7/8	3/8
Engine Controls/Instrumentation and Gauges		
Warning Lights, Buzzers, etc.	✓	✓
Gauges & Instruments	✓	✓
Oil/Air Pressure	✓	✓
Oil/Transmission Temp.	✓	✓
Coolant Temp.	✓	✓
Electrical: Volts/Amps	✓	✓
Radios/Headsets/Cell Phone/Pager	✓	✓
Clipboard/Paperwork/Maps/Passport	✓	
Safety Vest/Brush Shirts/Fire Shelter	✓	
Mechanics		
Lights: Running/warning/scene	✓	✓
Code 3 Equipment	✓	✓
Tires/Wheels	✓	✓
10 Step Air Brake Check (see back)	* ✓	
Cab/Hood Tilt-Eng. Inspect (see back)	✓	✓
Water Tank Level	✓	E
Daily Pump Check	✓	✓
Detailed Pump Check (see back)	✓	
EMS Equipment		
Jump Bags (Airway/Trauma/Peds)	✓	
O2 Level	✓	
Miscellaneous Supplies	✓	
Drinking Water	✓	
Fire Equipment		
Appliances/Hose 1-3/4", 3", 4"	✓	✓
Hard Suction 4", 6"	✓	✓
Tarp(s)	✓	✓
Portable Water Tank	✓	✓
Low Flow Strainer/Jet Siphon	✓	✓
Tie-down Kit	✓	✓
Gate Valves	✓	✓
Flashlights	✓	✓
Portable Extinguishers (ABC/PW)	✓	✓
Tool Bag/Tools	✓	✓
SCBA/Spare Air Bottles	✓	✓
Weekly SCBA Inspection (see back)	✓	✓
Safety Equipment: Cones, Flares	✓	✓
Wheel Chocks	✓	✓

Daily Inspections Continued

SCBA Check	Dates	Sun.	Wed.
SCBA 1			
SCBA 2			
SCBA 3			
Voice/Engine			
Spare Air Bottles			
Spare 1			
Spare 2			
Spare 3			

WEEKLY INSPECTIONS

Check Fluids	Dates	Sun.	Wed.
Engine Oil		✓	✓
Transmission			
Coolant			✓
Brake/Air Pressure			✓
Power Steering			
Wiper Fluid			✓
Battery			✓
Check Battery Terminals/Cables			✓
Check Belts/Hoses			✓
Check Breather Valve/Transmission			✓
Check Front Brakes & Lines			✓
Check Rear Brakes & Lines			✓
Check Suspension/Steering Components			✓
Check Drive Line			✓
Check for any Fluid Leaks/Note			✓
Check Front/Rear Tire Wear/Tread		✓	✓
Check Tire Pressures	LF 130 RF 130 LF 120 RF 120		
O = Outside	2nd Axle O-LR O-RR O-LR 120 O-RR 120		
I = Inside	I-LR I-RR I-LR 120 I-RR 120		
	3rd Axle O-LR O-RR O-LR 120 O-RR 120		
	I-LR 130 I-RR 130 I-LR 120 I-RR 120		

* To be performed by Engineers.

	Sun
1. Check Drive Belt(if applicable)	✓
2. Check Man./Auto Slack Adjusters	
Air Chambers, Air Lines	
3. Check Drums/Disc, Shoes/Pads	
4. Test Low Air-Pressure Warning	
5. Automatic Spring Brake Set	
6. Rate of Air-Pressure Build up	
7. Test Air Leakage Rate	
8. Check Air-Compressor Governor	
Cut In/Out	✓
9. Test Parking Brake - 20% grade	
10. Test Service Brake - 20mph/35ft	

Detailed Pump Checks	Sun
Check gauges:	Date:
Engine RPM	
Temperature	
Fuel	
Volt/Amps	
Check Pump Controls & Indicators	
Inspect/Operate Drain Valves	
Inspected all Intakes/Discharges	
Check Priming Pump Fluid/Operate	
Check Proper Operation of Relief Valve	
Flush & Drain Discharges	
Flush & Refill on 1st Saturday of Month	

(See Weekly SCBA Inspection Sheet)

Date: Initials:

*** TENDERS/RESERVE ENGINES WILL BE RUN AND EXERCISED EVERYDAY!!!

- Proposed Check Sheet -

Daily Vehicle Check: Tower 151

Revised: 2/27/2010

Month/Year: 3/10

Designator: Twr 151

Shop #: 3140

Dates:

Sun.

Mon.

Tues.

Wed.

Thurs.

Fri.

Sat.

Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th					4657		4657
Engine Hrs: 1st and 15th					270		270
Aerial Hours 1st and 15th					102.6		102.6
Generator Hours 1st and 15th	100	100		100	100	100	100
Fuel Level: Capacity: 65 gallons				Full	Full		Full
Warning Lights, Buzzers, etc.				✓	✓		✓
Gauges & Instruments				✓	✓		✓
Oil/Air Pressure				✓	✓		✓
Oil/Transmission Temp.				✓	✓		✓
Coolant Temp.				✓	✓		✓
Electrical: Volts/Amps				✓	✓		✓
Radios/Headsets/Cell Phone/Pager				✓	✓		✓
Clipboard/Paperwork/Maps/Passport				0	0		0
Safety Vest/Brush Shirts/Fire Shelter				0	0		0
Survivor Flashlights				✓ x4	✓ x4		✓ x4
Supra Key / RAD Detector				0	0		0
Thermal Camera (TIC) Batteries				✓	✓		✓
Lights: Running/warning/scene				✓	✓		✓
Code 3 Equipment				✓	✓		✓
Tires / Wheels				✓	✓		✓
10 Step Air Brake Check (see back)			*				
Detailed Aerial Check (see back)			*				
Aerial PTO - #1					✓		✓
Hydraulic Generator PTO - #2					✓		✓
Cab / Hood Tilt-Eng. Inspect (see back)	*			*			
Water Tank Level 300 gallons				0	0		0
Foam tank Level 30 gallons				F	F		F
Daily Pump Check				—	—		✓
Detailed Pump Check (see back)							*
Jump Bags (Airway/Trauma/Peds)							
O2 Level							
ECG Monitor (Weekly Detail Check)				0	0		
CEP Drug Box / RSI Drug Box				0	0		
Suction Unit							
Miscellaneous Supplies							
Drinking Water					✓		
Hand Tools/Wild Land/Appliances				0	0		0
Engineers Headset/Flashlights				✓	✓		✓
Portable Extinguishers (ABC/PW)							✓✓
Power Tools / Fuel Cans				0	0		0
Run Power Tools (see back)	*			*			
Tool Bag/Tools/Slim Jim				0	0		0
Snake Box/Pole				0	0		0
Foam containers/Eductor				0	0		0
SCBA/Spare Air Bottles				0	0		0
Weekly SCBA Inspection (see back)						*	
RIT Bag / Safety Ropes				✓	✓		✓
Air/Gas Monitor (check charge on Fri.)				0	0		0

Safety Equipment: Cones, Flares				✓	✓	✓	
Wheel Chocks				✓	✓	✓K2	
Ladders				✓	✓		
Portable Monitor w/ chains				⊖	⊖	⊖	

SCBA INSPECTIONS

SCBA CHECKS	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain				⊖	⊖	⊖	
SCBA 2 Engineer						⊖	
SCBA 3 FF #1						⊖	
SCBA 4 FF #2						⊖	
SCBA 5						⊖	
RIC BAG						⊖	
Valve Emitters				⊖	⊖	⊖	
Spare 1				⊖	⊖	⊖	
Spare 2						⊖	
Spare 3						⊖	
Spare 4						⊖	
Spare 5						⊖	
Spare 6						⊖	

WEEKLY INSPECTIONS

Check Fluids	Date	Sun.	Wed.	Tues.
Engine Oil			3/3	
Transmission			✓	
Coolant			✓	
Brake/Air Pressure			✓	
Power Steering			✓	
Wiper Fluid			✓	
Check Battery Battery			✓	
Check Belts/Hoses			✓	
Check Breather Valve/Transmission			✓	
Check Front Brakes & Lines			✓	
Check Rear Brakes and Lines			✓	
Check Suspension/Steering Components			✓	
Check Drive Line			✓	
Check for any Fluid Leaks/Note			✓	
Check Front/Rear Tire Wear/Tread			✓	

10 Step Air-Brake Check

1. Check Drive Belt (if applicable)
2. Check Man./Auto Slack Adjusters
Air Chambers, Air Lines
3. Check Drums/Disc, Shoes/Pads
4. Test Low Air-Pressure Warning
5. Automatic Spring Brake Set
6. Rate of Air-Pressure Build up
7. Test Air Leakage Rate
8. Check Air-Compressor Governor
Cut In/Out
9. Test Parking Brake - 20% grade
10. Test Service Break - 20 mph / 35'

Tues.

Check Tire Pressures	LF	RF	LF	RF
2nd Axle	O-LR	O-RR	O-LR	O-RR
3rd Axle	O-LR	O-RR	O-LR	O-RR

MAINTENANCE CHECK

Check gauges:	Date	Sat.
Engine RPM		
Temperature		
Fuel		
Check Pump (Volt/Amps)		
Inspect/Operate Drain Valves		
Inspected all Intakes/Discharges		
Check Priming Pump Operation		
Check Proper Operation of Relief Valve		
Flush & Drain Discharges		
1st Sat. of month Flush and Refill Tank		
Foam System Check		

	Mon.	Thurs.
Hydraulic Generator		
Portable Generator		
Fan(s)		
Circular Saw/Blades		
Chain Saw/Inspect Chain		
Power plant-Rescue Tool		
Inspect Saws-all		
Refuel as Needed		

Check Maintenance Tag

Inspect Ladders

Inspect Ladders/Halyards/Locks/etc.

Perform Weekly SCBA Inspections

(See Weekly SCBA Inspection Sheet)
Date: Initials:

Date: Initials:

Stabilizer System - Pads	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri. 7	Sat.
Hydraulic Reservoir Level							
Hydraulic leaks							
Ground Jack Control Panel:							
R / L Mid-Ship Stabilizers							
Auxiliary Ground Pads							
Rear Jacks							
Front Cab Jacks							
Stabilizer Interlock Graphic Display							
Audible Warning System							
Aux. Hydraulic Pump							
Hydraulic Transfer / Upper Power							
Turn Table Controls							
Raise / Lower							
Extend / Retract							
360 R / L Full Rotation @ 80 degrees							
Functional Graphic Display Panel							
Boom lights - Alarm Test - Ladder Lights							
PA / PPT Mike							
Turn Table Light							
Bucket Control Switch							
Safety Override Switch's							
Manual Hydraulic Override Controls							
Pedestal Hydraulic Lines, Any Leaks							
Safety Lines							
Smart Boom Warning System							
Stabilizer Interlock Override							
Rotational Interlock System							
Platform Controls							
Functional Graphic Display Panel							
Bucket Control Power							
Creep Mode/Low range							
Raise / Lower							
Extend / Retract							
Rotation R / L							
Self Leveling System/Emg. Stop/Disable							
Leveling System Override							
Hyd. Reservoir for Leveling System							
Spot / Flood Lights / Ladder Lights							
Panel Light, Alarm Silence							
Manual and Remote Nozzle Controls							
Master Stream, 2.5", and							
Water Curtain Valves							
Platform Folding Egress Ladder							
Stokes Basket Arms, Lifting Eyes							
Breathing Air Gauge and Hook Ups							
Access/Egress Doors							
Hand Tools / Holders							
Cable Inspection and Layout to Main Unit							
5 Ladder Sections, Slide Block Paths							
Aerial Extension / Retraction Cylinders							
Water Way Tubes							
Turn Table Hydraulic Lines							
Sheaves and Cables							
Cable Track / Wiring Harness							
Bucket Hydraulic Lines							
Bucket Leveling Cylinders							
Missed or Damaged Components							

Daily Vehicle Check: Tower 151

Revised: 4/1/2010

Month/Year: _____

Dates: _____

Sun.

Mon.

Tues.

Wed.

Thurs.

Shop #: 3140

Fri.

Sat.

		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1								
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 15th	6785	6782		6790	6790	6790	6809
Engine Hrs:	1st and 15th	597	591		593	593	593	595
Aerial Hours	1st and 15th	2171		2171				
Generator Hours	1st and 15th			511.9				
Fuel Level:	Capacity: 65 gallons	FULL	7/8	FULL	3/16	3/4+	3/4	F
Warning Lights, Buzzers, etc.								
Gauges & Instruments		✓	✓	✓	✓	✓	✓	✓
Oil/Air Pressure		50/110	*1	✓	✓	✓	✓	✓
Oil/Transmission Temp.		✓	✓	✓	✓	✓	✓	✓
Coolant Temp.		✓	✓	✓	✓	✓	✓	✓
Electrical: Volts/Amps		✓	✓	✓	✓	✓	✓	✓
Radios/Headsets/Cam Phone/Pager		✓	✓	✓	✓	✓	✓	✓
Clipboard/Paperwork/Maps/Passport		✓	✓	✓	✓	✓	✓	✓
Safety Vest/Brush Shirts/Fire Shelter		✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights		✓x4	✓x4	✓x4	✓x4	✓	✓x4	✓
Supra Key / RAD Detector		✓	✓	✓	✓	✓	✓	✓
Thermal Camera (TIC) Batteries		✓	✓	✓	✓	✓	✓	✓
Lighting & Equipment								
Lights: Running/warning/scene		✓	✓	✓	✓	✓	✓	✓
Code 3 Equipment		✓	✓	✓	✓	✓	✓	✓
Tires / Wheels		✓	✓	✓	✓	✓	✓	✓
10 Step Air Brake Check (see back)				✓				
Detailed Aerial Check (see pg. 3)				✓				
Aerial PTO - #1		✓	✓	✓	✓	✓	✓	✓
Hydraulic Generator PTO - #2		✓	✓	✓	✓	✓	✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)		✓			✓			✓
Water Tank Level	300 gallons	FULL	FULL	FULL	FULL	F	FULL	F
Foam tank Level	30 gallons	FULL	FULL	FULL	FULL	F	FULL	F
Daily Pump Check		✓	✓	✓	✓	✓	✓	✓
Detailed Pump Check (see pg. 2)								✓
Medical Equipment								
Jump Bags (Airway/Trauma/Peds)		✓	✓	✓	✓	✓	✓	✓
O2 Level		1200	1200	1200	1200	2000	2000	2000
ECG Monitor (Weekly Detail Check)		✓	✓	✓	✓	✓	✓	✓
CEP Drug Box / RSI Drug Box		✓	✓	✓	✓	✓	✓	✓
Suction Unit		✓	✓	✓	✓	✓	✓	✓
Miscellaneous Supplies		✓	✓	✓	✓	✓	✓	✓
Drinking Water		✓	✓	✓	✓	✓	✓	✓
Fire Equipment								
Hand Tools/Wild Land/Appliances		✓	✓	✓	✓	✓	✓	✓
Engineers Headset/Flashlights		✓	✓	✓	✓	✓	✓	✓
Portable Extinguishers (ABC/PW)		✓	✓	✓	✓	✓	✓	✓
Power Tools / Fuel Cans		✓	✓	✓	✓	✓	✓	✓
Run Power Tools (see back)								
Tool Bag/Tools		✓	✓	✓	✓	✓	✓	✓
Snake Box/Pole		✓	✓	✓	✓	✓	✓	✓
Foam containers/Eductor		✓	✓	✓	✓	✓	✓	✓
SCBA/Spare Air Bottles		✓	✓	✓	✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)								
RIT Bag / Safety Ropes		✓	✓	✓	✓	✓	✓	✓
Air/Gas Monitor (check charge on Fri.)		✓	✓	✓	✓	✓	✓	✓

Date		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain		4500	4500		4500	4500	*4500	4500
SCBA 2 Engineer		4500	4500		4500	4500	*4500	4500
SCBA 3 FF #1		4500	4500		4500	4500	*4500	4500
SCBA 4 FF #2		4400	4400		4400	4500	*4500	4500
RIC BAG			SEE H				*	
Spare Air Bubbles		2 *	4500		4	4	4	4
Spare 1		4400	4400		4400	4500	*4500	4500
Spare 2		4000	4000		4000	4000	*4500	4500
Spare 3		4200	4200		4200	4500	*4500	4500
Spare 4		4500	4500		4500	4500	*4500	4500
Spare 5		4500	4500		4500	4500	*4200	4500
Spare 6		4500	4500		4500	4500	*4400	4500

Date		Sun.	Wed.
Check Fluids		4/24	4/27
Engine Oil		✓	✓
Transmission	#	✓	✓
Coolant		✓	✓
Brake/Air Pressure		✓	✓
Power Steering		✓	✓
Wiper Fluid		✓	✓
Check Battery/Battery		✓	✓
Check Belts/Hoses		✓	✓
Check Breather Valve/Transmission		✓	✓
Check Front Brakes & Lines		✓	✓
Check Rear Brakes and Lines		✓	✓
Check Suspension/Steering Components		✓	✓
Check Drive Line		✓	✓
Check for any Fluid Leaks/Note		✓	✓
Check Front/Rear Tire Wear/Tread		✓	✓

Date		Mon.	Thurs.
Hydraulic Generator			✓
Portable Generator			✓
Fan's 1 and 2			✓
Circular Saw/Blades			✓
Chain Saw/Inspect Chain			✓
Power plant-Rescue Tool			✓
Spreaders Cutters			✓
Short ram Long Ram			✓
Inspect Saw all			✓
Refuel as Needed			✓
Check Maint. Tag			✓
Inspect Ladders/Halyards/Locks/etc.			✓

Date		Sat.
Check gauges:		4/30
Engine RPM		✓
Temperature		✓
Fuel		✓
Check Pump Volt/Amps		✓
Inspect/Operate Drain Valves		✓
Inspected all Intakes/Discharges		✓
Check Priming Pump Operation		✓
Check Proper Operation of Relief Valve		✓
Flush & Drain Discharges		✓
1st Sat. of month Flush and Refill Tank		
Foam System Operational Check		

Date		Thurs.
Perform Weekly SCBA Inspections (See Weekly SCBA Inspection Sheet)		
Date:	Initials:	
Date:	Initials:	

* 2 BEING USED AT PSA BY 4500S - RETURN 4/25

Weekly/Aerial Inspection Check						
Stabilization System Date	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.
Hydraulic Reservoir Level			FULL			
Hydraulic Leaks			NONE			
Functional Graphic Display Panel			✓			
R / L Mid-Ship Stabilizers			✓			
Auxiliary Ground Pads			✓			
Rear Jacks			✓			
Front Cab Jacks			✓			
Stabilizer Interlock Graphic Display			✓			
Audible Warning System			✓			
Aux. Hydraulic Pump			✓			
Hydraulic Transfer / Upper Power			✓			
Emergency Hydraulic Pump/Controls			✓			
Turn Table and Controls						
Breathing Air System Pressure						
Raise / Lower			✓			
Extend / Retract			✓			
360 R / L Full Rotation @ 80 degrees			✓			
Functional Graphic Display Panel			✓			
Boom Lights - Alarm Test - Ladder Lights			✓			
PA / PPT Mike			✓			
Turn Table Flood Lights			✓			
Bucket Control Switch			✓			
Safety Override Switch's			✓			
Manual Hydraulic Override Controls			✓			
Pedestal Hydraulic Lines, Any Leaks			DETAILED			
Safety Lines			✓			
Smart Boom Warning System			✓			
Stabilizer Interlock Override			✓			
Rotational Interlock System			✓			
Emergency Hydraulic Controls			✓			
Platform Controls						
Functional Graphic Display Panel			✓			
Bucket Control Power			✓			
High Range / Creep Mode			✓			
Raise / Lower			✓			
Extend / Retract			✓			
Rotation R / L			✓			
Self Leveling System/Emg. Stop/Disable			✓			
Leveling System Override			✓			
Hyd. Reservoir for Leveling System			✓			
Spot / Flood Lights / Ladder Lights			✓			
Panel Light, Alarm Silence			✓			
Manual and Remote Nozzle Controls			✓			
Master Streams, Aux. Discharges						
Water Control Valves			✓			
Platform Folding Egress Ladder			✓			
Stokes Basket Arms, Lifting Eyes			✓			
Breathing Air Gauge and Hook Ups			✓			
Access/Egress Doors			✓			
Hand Tools / Holders			✓			
Visual Inspection of Ladder System						
5 Ladder Sections, Slide Block Paths			✓			
Aerial Extension / Retraction Cylinders			✓			
Water Way Tubes			✓			
Turn Table Hydraulic Lines			✓			
Sheaves and Cables			✓			
Cable Track / Wiring Harness			✓			
Bucket Hydraulic Lines			✓			
Bucket Leveling Cylinders			✓			

Mississippi Barred Bullfinch: Please type any observations. —

[illegible]

Daily Vehicle Check: Tower 151

Revised: 3/26/2010

Month/Year: 4/2010

Shop #: 3140

Dates: Sun. 4/4 Mon. 4/5 Tues. 4/6 Wed. 4/7 Thurs. 4/8 Fri. 4/9 Sat. 4/10

Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th						4710	
Engine Hrs: 1st and 15th							
Aerial Hours 1st and 15th							
Generator Hours 1st and 15th							
Fuel Level: Capacity: 65 gallons						7/8	
Warning Lights, Buzzers, etc.							
Gauges & Instruments	✓					✓	
Oil/Air Pressure	✓					✓	
Oil/Transmission Temp.	✓					✓	
Coolant Temp.	✓					✓	
Electrical: Volts/Amps	✓					✓	
Radios/Headsets/Cell Phone/Pager	✓					✓	
Clipboard/Paperwork/Maps/Passport	✓					✓	
Safety Vest/Brush Shirts/Fire Shelter	✓					✓	
Survivor Flashlights	✓					✓	
Supra Key / RAD Detector	✓					✓	
Thermal Camera (TIC) Batteries	✓					✓	
Mechanical/Electrical							
Lights: Running/warning/scene	✓					✓	
Code 3 Equipment	✓					✓	
Tires / Wheels	✓					✓	
10 Step Air Brake Check (see back)							
Detailed Aerial Check (see pg. 3)							
Aerial PTO - #1							
Hydraulic Generator PTO - #2							
Cab / Hood Tilt-Eng. Inspect (see pg. 2)							
Water Tank Level 300 gallons							
Foam tank Level 30 gallons	✓						
Daily Pump Check							
Detailed Pump Check (see pg. 2)							
EMS Equipment							
Jump Bags(Airway/Trauma/Peds)							
O2 Level							
ECG Monitor (Weekly Detail Check)							
CEP Drug Box / RSI Drug Box							
Suction Unit							
Miscellaneous Supplies							
Drinking Water							
FIRE Equipment							
Hand Tools/Wild Land/Appliances						✓	
Engineers Headset/Flashlights						✓	
Portable Extinguishers(ABC/PW)						✓	
Power Tools / Fuel Cans						✓	
Run Power Tools (see back)							
Tool Bag/Tools/Slim Jim						✓	
Snee Box/Pole							
Foam containers/Eductor							
SCBA/Spare Air Bottles							
Weekly SCBA Inspection (see pg. 2)							
RTT Bag / Safety Ropes							

FIRE Equipment continued								
Safety Equipment: Cones, Flares		✓						✓ x 6
Wheel Chocks		✓ K2						✓
Ladders		✓						
Portable Monitor w/ chains								
Daily Inspection continued								
SCBA 1 Captain		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 2 Engineer		NA					*	
SCBA 3 FF #1							*	
SCBA 4 FF #2							NA	
SCBA 5							*	
RIC BAG							*	
Voice Emitters w/ ref.								
Spare Air Bottles								
Spare 1		NA					*	
Spare 2							*	
Spare 3							NA	
Spare 4							*	
Spare 5							*	
Spare 6							*	
WEEKLY INSPECTIONS								
Check Fluids		Sun.	Wed.					
	Dates	4/4/10						
Engine Oil		✓						
Transmission		✓						
Coolant		✓						
Brake/Air Pressure		✓						
Power Steering		✓						
Wiper Fluid		✓						
Check Batten Battery		✓						
Check Belts/Hoses		✓						
Check Breather Valve/Transmission		✓						
Check Front Brakes & Lines		✓						
Check Rear Brakes and Lines		✓						
Chk Suspension/Steering Components		✓						
Check Drive Line		✓						
Check for any Fluid Leaks/Note		✓						
Check Front/Rear Tire Wear/Tread		✓						
Check Tire Pressures	LF 120 RF 120 LF RF	O-LR 120 O-RR 120 O-LR O-RR						
All at 120	2nd Axle	I-LR 120 I-RR 120 I-LR I-RR						
O = Outside								
I = Inside	3rd Axle	O-LR 120 O-RR 120 O-LR O-RR						
		I-LR 120 I-RR 120 I-LR I-RR						
Daily SCBA								
Check gauges:	Date	Sat.						
Engine RPM								
Temperature								
Fuel								
Check Pump Volt/Amps								
Inspect/Operate Drain Valves								
Inspected all Intakes/Discharges								
Check Priming Pump Operation								
Check Proper Operation of Relief Valve								
Flush & Drain Discharges								
1st Sat. of month Flush and Refill Tank								
Foam System Operational Check								
10 Step Air-Brake Check								
		Tues.						
1. Air Chambers, Air lines								
2. Check Drums/Disc, Shoes/Pads								
3. Test Low Air-Pressure Warning								
4. Automatic Spring Brake Set								
5. Rate of Air-Pressure Build up								
6. Test Air Leakage Rate								
7. Check Air-Compressor Governor								
Cut In/Out								
8. Test Parking Brake - 20% grade								
Hydraulic Generator								
Portable Generator		Mon.	Thurs.					
Fan's 1 and 2								
Circular Saw/Blades								
Chain Saw/Inspect Chain								
Power plant-Rescue Tool								
Spreaders Cutters								
Short ram Long Ram								
Inspect Saws-all								
Refuel as Needed								
Check Maint. Tag								
Inspect Ladders/Halyards/Locks/etc.								
Perform Weekly SCBA Inspections								
(See Weekly SCBA Inspection Sheet)								
Date:		Initials:						
Date:		Initials:						

Weekly Work Assignment Chart							
Stabilization System - Deck	Sun. 10/	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level							
Hydraulic Leaks			1/0				
Functional Graphic Display Panel							
R / L Mid-Ship Stabilizers							
Auxiliary Ground Pads							
Rear Jacks							
Front Cab Jacks							
Stabilizer Interlock Graphic Display							
Audible Warning System							
Aux. Hydraulic Pump							
Hydraulic Transfer / Upper Power							
Emergency Hydraulic Pump/Controls							
Turn Table and Controls							
Breathing Air System Pressure							
Raise / Lower							
Extend / Retract							
360 R / L Full Rotation @ 80 degrees							
Functional Graphic Display Panel							
Boom lights - Alarm Test - Ladder Lights							
PA / PPT Mike							
Turn Table Flood Lights							
Bucket Control Switch							
Safety Override Switch's							
Manual Hydraulic Override Controls							
Pedestal Hydraulic Lines, Any Leaks							
Safety Lines							
Smart Boom Warning System							
Stabilizer Interlock Override							
Rotational Interlock System							
Emergency Hydraulic Controls							
Platform Controls							
Functional Graphic Display Panel							
Bucket Control Power							
High Range / Creep Mode							
Raise / Lower							
Extend / Retract							
Rotation R / L							
Self Levelling System/Erg. Stop/Disable							
Leveling System Override							
Hyd. Reservoir for Leveling System							
Spot / Flood Lights / Ladder Lights							
Panel Light, Alarm Silence							
Manual and Remote Nozzle Controls							
Master Streams, Aux. Discharges							
Water Control Valves							
Platform Folding Egress Ladder							
Stokes Basket Arms, Lifting Eyes							
Breathing Air Gauge and Hook Ups							
Access/Egress Doors							
Hand Tools / Holders							
Waterway Controls							
5 Ladder Sections, Slide Block Paths							
Aerial Extension / Retraction Cylinders							
Water Way Tubes							
Turn Table Hydraulic Lines							
Sheaves and Cables							
Cable Track / Wiring Harness							
Bucket Hydraulic Lines							
Bucket Levelling Cylinders							

MISSOURI DEPARTMENT OF REVENUE

• NEED MAP BOOKS

• ADD TRANS FLUID (TRANSYND)

• NEED FUEL CANS

• JAWFERY CP

Daily Vehicle Check: Tower 151

Revised: 3/26/2010

Month/Year: 4/11/2010

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th	4770		4770	4773			
Engine Hrs: 1st and 15th	292		292	293			
Aerial Hours 1st and 15th							
Generator Hours 1st and 15th							
Fuel Level: Capacity: 65 gallons	7/8		7/8	13/16			
Warning Lights, Buzzers, etc.							
Gauges & Instruments	✓		✓	✓			
Oil/Air Pressure	✓		✓	✓			
Oil/Transmission Temp.	✓		✓	✓			
Coolant Temp.	✓		✓	✓			
Electrical: Volts/Amps	✓		✓	✓			
Radios/Headsets/Cell Phone/Pager	✓		✓	✓			
Clipboard/Paperwork/Maps/Passport	-1-1-		-1-1-1-	1-1-1-			
Safety Vest/Brush Shirts/Fire Shelter	✓		✓	✓			
Survivor Flashlights	✓		✓	✓			
Supra Key / RAD Detector	✓		✓	✓			
Thermal Camera (TIC) Batteries	✓		✓	✓			
Mechanical/Fluids							
Lights: Running/warning/scene	✓		✓	✓			
Code 3 Equipment	✓		✓	✓			
Tires / Wheels	✓		✓	✓			
10 Step Air Brake Check (see back)			✓				
Detailed Aerial Check (see pg. 3)							
Aerial PTO - #1			✓	✓			
Hydraulic Generator PTO - #2			✓	✓			
Cab / Hood Tilt-Eng. Inspect (see pg. 2)	✓		✓	✓			
Water Tank Level 300 gallons	Full		Full	Full			
Foam tank Level 30 gallons	✓		✓	Full			
Daily Pump Check			✓	✓			
Detailed Pump Check (see pg. 2)							
EMS Equipment							
Jump Bags (Airway/Trauma/Peds)	✓		✓	✓			
O2 Level			2000	1000			
ECG Monitor (Weekly Detail Check)	✓		✓	✓			
CEP Drug Box / RSI Drug Box	✓		✓	✓			
Suction Unit	✓		✓	✓			
Miscellaneous Supplies	✓		✓	✓			
Drinking Water	✓		✓	✓			
Rescue Equipment							
Hand Tools/Wild Land/Appliances	✓		✓	✓			
Engineers Headset/Flashlights	✓		✓	✓			
Portable Extinguishers (ABC/PW)	✓		✓	✓			
Power Tools / Fuel Cans	✓		✓	✓			
Run Power Tools (see back)							
Tool Bag/Tools/Slim Jim	✓		✓	✓			
Snake Box/Pole	✓		✓	✓			
Foam containers/Eductor	✓		✓	✓			
SCBA/Spare Air Bottles	✓		✓	✓			
Weekly SCBA Inspection (see pg. 2)							
RIT Bag / Safety Ropes	✓		✓	✓			

Daily Inspection		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Safety Equipment: Cones, Flares		✓			✓			
Wheel Chocks		✓			✓			
Ladders		✓			✓			
Portable Monitor w/ chains		✓			✓			
SCBA Checks								
SCBA 1	Captain			4500	4500		*	
SCBA 2	Engineer			4500	4500		*	
SCBA 3	FF #1			4500	4500		*	
SCBA 4	FF #2				4500		*	
SCBA 5							*	
RIC BAG							*	
Spare 1				4500	4300		*	
Spare 2				4500	4500		*	
Spare 3				4300	4300		*	
Spare 4				4300	4400		*	
Spare 5				4500	4500		*	
Spare 6				4300	4500		*	
Weekly Inspections								
Check Fluids								
Engine Oil		✓	✓					
Transmission		✓	✓					
Coolant		✓	✓					
Brake/Air Pressure		✓	✓					
Power Steering		✓	✓					
Wiper Fluid		✓	✓					
Check Battery		✓	✓					
Check Belts/Hoses		✓	✓					
Check Breather Valve/Transmission		✓	✓					
Check Front Brakes & Lines		✓	✓					
Check Rear Brakes and Lines		✓	✓					
Ck Suspension/Steering Components		✓	✓					
Check Drive Line		✓	✓					
Check for any Fluid Leaks/Note		✓	✓					
Check Front/Rear Tire Wear/Tread		✓	✓					
Check Tire Pressures								
All at 120								
O = Outside								
I = Inside								
2nd Axle								
3rd Axle								
Check gauges:								
Engine RPM								
Temperature								
Fuel								
Check Pump Volt/Amps								
Inspect/Operate Drain Valves								
Inspected all Intakes/Discharges								
Check Priming Pump Operation								
Check Proper Operation of Relief Valve								
Flush & Drain Discharges								
1st Sat. of month Flush and Refill Tank								
Foam System Operational Check								

10 Step Air-Brake Check		Tues.
1. Air Chambers, Air Lines		
2. Check Drums/Disc, Shoes/Pads		
3. Test Low Air-Pressure Warning		
4. Automatic Spring Brake Set		
5. Rate of Air-Pressure Build up		✓
6. Test Air Leakage Rate		✓
7. Check Air-Compressor Governor Cut In/Out		✓
8. Test Parking Brake - 20% grade		

Hydraulic Generator		Mon.	Thurs.
Portable Generator			
Fan's 1 and 2			
Circular Saw/Blades			
Chain Saw/Inspect Chain			
Power plant-Rescue Tool			
Spreaders Cutters			
Short ram Long Ram			
Inspect Saws-all			
Refuel as Needed			
Check Maint. Tag			
Inspect Ladders/Halyards/Locks/etc.			

Perform Weekly SCBA Inspections	
(See Weekly SCBA Inspection Sheet)	
Date:	Initials:
Date:	Initials:

Weekly Aerial Inspection Check

Stabilization System	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level							
Hydraulic Leaks			✓				
Functional Graphic Display Panel			✓				
R / L Mid-Ship Stabilizers			✓				
Auxiliary Ground Pads			✓				
Rear Jacks			✓				
Front Cab Jacks			✓				
Stabilizer Interlock Graphic Display			✓				
Audible Warning System			✓				
Aux. Hydraulic Pump			✓				
Hydraulic Transfer / Upper Power			✓				
Emergency Hydraulic Pump/Controls			✓				
Boom and Controls							
Breathing Air System Pressure			N/A				
Raise / Lower			✓				
Extend / Retract			✓				
360 R / L Full Rotation @ 80 degrees			✓				
Functional Graphic Display Panel			✓				
Boom lights - Alarm Test - Ladder Lights			✓				
PA / PPT Mike			✓				
Turn Table Flood Lights			✓				
Bucket Control Switch			✓				
Safety Override Switch's			✓				
Manual Hydraulic Override Controls			✓				
Pedestal Hydraulic Lines, Any Leaks			✓				
Safety Lines							
Smart Boom Warning System			✓				
Stabilizer Interlock Override							
Rotational Interlock System							
Emergency Hydraulic Controls			✓				
Platform Controls							
Functional Graphic Display Panel			✓				
Bucket Control Power			✓				
High Range / Creep Mode			✓				
Raise / Lower			✓				
Extend / Retract			✓				
Rotation R / L			✓				
Self Leveling System/Emg. Stop/Disable			✓				
Leveling System Override							
Hyd. Reservoir for Leveling System			✓				
Spot / Flood Lights / Ladder Lights							
Panel Light, Alarm Silence							
Manual and Remote Nozzle Controls			✓				
Master Streams, Aux. Discharges							
Water Control Valves			✓				
Platform Folding Egress Ladder			✓				
Stokes Basket Arms, Lifting Eyes			✓				
Breathing Air Gauge and Hook Ups			N/A				
Access/Egress Doors			✓				
Hand Tools / Holders			✓				
5 Ladder Sections, Slide Block Paths			✓				
Aerial Extension / Retraction Cylinders			✓				
Water Way Tubes			✓				
Turn Table Hydraulic Lines			✓				
Sheaves and Cables			✓				
Cable Track / Wiring Harness			✓				
Bucket Hydraulic Lines			✓				
Bucket Leveling Cylinders			✓				

Mississippi Department of Transportation

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Daily Vehicle Check: Tower 151

Revised: 3/26/2010

Month/Year: April 2010

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th	4840						
Engine Hrs: 1st and 15th	30.5						
Aerial Hours 1st and 15th							
Generator Hours 1st and 15th							
Fuel Level: Capacity: 65 gallons	FULL						
Warning Lights, Buzzers, etc.							
Warning Lights, Buzzers, etc.	✓						
Gauges & Instruments							
Gauges & Instruments	✓						
Oil/Air Pressure	✓						
Oil/Transmission Temp.	✓						
Coolant Temp.	✓						
Electrical: Volts/Amps	✓						
Radios/Headsets/Cell Phone/Pager	✓						
Clipboard/Paperwork/Maps/Passport	✓						
Safety Vest/Brush Shirts/Fire Shelter	✓						
Survivor Flashlights	✓						
Supra Key / RAD Detector	✓						
Thermal Camera (TIC) Batteries	✓						
Mechanical/Equipment							
Lights: Running/warning/scene	✓						
Code 3 Equipment	✓						
Tires / Wheels	✓						
10 Step Air Brake Check (see back)			*				
Detailed Aerial Check (see pg. 3)			*				
Aerial PTO - #1	✓						
Hydraulic Generator PTO - #2	✓						
Cab / Hood Tilt-Eng.Inspect (see pg. 2)	* ✓			*			
Water Tank Level 300 gallons	FULL						
Foam tank Level 30 gallons							
Daily Pump Check	✓						
Detailed Pump Check (see pg. 2)							*
EMS Equipment							
Jump Bags(Airway/Trauma/Peds)	✓						
O2 Level	2000						
ECG Monitor (Weekly Detail Check)	✓						
CEP Drug Box / RSI Drug Box	✓						
Suction Unit	✓						
Miscellaneous Supplies	✓						
Drinking Water	✓						
Fire Equipment							
Hand Tools/Wild Land/Appliances	✓						
Engineers Headset/Flashlights	✓						
Portable Extinguishers(ABC/PW)	✓						
Power Tools / Fuel Cans	✓						
Run Power Tools (see back)		*			*		
Tool Bag/Tools/Slim Jim	✓						
Snake Box/Pole	✓						
Foam containers/Eductor	✓						
SCBA/Spare Air Bottles	✓						
Weekly SCBA Inspection (see pg. 2)						*	
RIT Bag / Safety Ropes	✓						

FIRE EQUIPMENT CONTAINER		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Safety Equipment: Cones, Flare								
Wheel Chocks								
Ladders								
Portable Monitor w/ chains								

DAILY PERSONNEL		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1	Captain						*	
SCBA 2	Engineer						*	
SCBA 3	FF #1						*	
SCBA 4	FF #2						*	
SCBA 5							*	
RIC BAG							*	

VOLTECHNICALS		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Spare 1							*	
Spare 2							*	
Spare 3							*	
Spare 4							*	
Spare 5							*	
Spare 6							*	

WEEKLY INSPECTIONS		Sun.	Wed.	Tues.
Check Fluids	Dates	4/18		
Engine Oil		V		
Transmission		ADDED		
Coolant		V		
Brake/Air Pressure		V		
Power Steering		V		
Wiper Fluid		V		
Check Battery/Battery		V		
Check Belts/Hoses		V		
Check Breather Valve/Transmission		V		
Check Front Brakes & Lines		V		
Check Rear Brakes and Lines		V		
Check Suspension/Steering Components		V		
Check Drive Line		V		
Check for any Fluid Leaks/Note		V		
Check Front/Rear Tire Wear/Tread		V		

10 Step Air-Brake Check		Tues.
1. Air Chambers, Air lines		
2. Check Drums/Disc, Shoes/Pads		
3. Test Low Air-Pressure Warning		
4. Automatic Spring Brake Set		
5. Rate of Air-Pressure Build up		
6. Test Air Leakage Rate		
7. Check Air-Compressor Governor Cut In/Out		
8. Test Parking Brake - 20% grade		

Hydraulic Generator		Mon.	Thurs.
Portable Generator			
Fan's 1 and 2			
Circular Saw/Blades			
Chain Saw/Inspect Chain			
Power plant-Rescue Tool			
Spreaders Cutters			
Short ram Long Ram			
Inspect Saws-all			
Refuel as Needed			
Check Maint. Tag			

Check gauges:		Date	Sat.
Engine RPM			
Temperature			
Fuel			
Check Pump Volt/Amps			
Inspect/Operate Drain-Valves			
Inspected all Intakes/Discharges			
Check Priming Pump Operation			
Check Proper Operation of Relief Valve			
Flush & Drain Discharges			
1st Sat. of month Flush and Refill Tank			
Foam System Operational Check			

Perform Weekly SCBA Inspections	
(See Weekly SCBA Inspection Sheet)	
Date:	Initials:
Date:	Initials:

WATERLOO INSPECTION LOG							
Stabilization System - Dates	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level							
Hydraulic Leaks							
Functional Graphic Display Panel							
R / L Mid-Ship Stabilizers							
Auxiliary Ground Pads							
Rear Jacks							
Front Cab Jacks							
Stabilizer Interlock Graphic Display							
Audible Warning System							
Aux. Hydraulic Pump							
Hydraulic Transfer / Upper Power							
Emergency Hydraulic Pump/Controls							
Hydraulic and Controls							
Breathing Air System Pressure	10-7						
Raise / Lower							
Extend / Retract							
360 R / L Full Rotation @ 80 degrees							
Functional Graphic Display Panel							
Boom lights - Alarm Test - Ladder Lights							
PA / PPT Mike							
Turn Table Flood Lights							
Bucket Control Switch							
Safety Override Switch's							
Manual Hydraulic Override Controls							
Pedestal Hydraulic Lines, Any Leaks							
Safety Lines							
Smart Boom Warning System							
Stabilizer Interlock Override							
Rotational Interlock System							
Emergency Hydraulic Controls							
Platform Controls							
Functional Graphic Display Panel							
Bucket Control Power							
High Range / Creep Mode							
Raise / Lower							
Extend / Retract							
Rotation R / L							
Self Leveling System/Emg. Stop/Disable							
Leveling System Override							
Hyd. Reservoir for Leveling System							
Spot / Flood Lights / Ladder Lights							
Panel Light, Alarm Silence							
Manual and Remote Nozzle Controls							
Master Streams, Aux. Discharges							
Water Control Valves							
Platform Folding Egress Ladder							
Stokes Basket Arms, Lifting Eyes							
Breathing Air Gauge and Hook Ups							
Access/Egress Doors							
Hand Tools / Holders							
Vertical Rotation							
5 Ladder Sections, Slide Block Paths							
Aerial Extension / Retraction Cylinders							
Water Way Tubes							
Turn Table Hydraulic Lines							
Sheaves and Cables							
Cable Track / Wiring Harness							
Bucket Hydraulic Lines							
Bucket Leveling Cylinders							

Message Damaged! Inquire at Post Office District Office.

[illegible]

Daily Vehicle Check: Tower 151

Revised: 9/12/2010

Month/Year: Feb 2011

Dates:

Sun. 2/6

Mon. 2/7

Tues. 2/8

Wed. 2/9

Thurs. 2/10

Shop #: 3140

Fri. 2/11

Sat. 2/12

	Sun. 2/6	Mon. 2/7	Tues. 2/8	Wed. 2/9	Thurs. 2/10	Fri. 2/11	Sat. 2/12
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th	6468	6468	6473	6473	6473	6479	6479
Engine Hrs: 1st and 15th	550	550	551	551	551	552	
Aerial Hours: 1st and 15th				208.4			
Generator Hours: 1st and 15th				46.05			
Fuel Level: Capacity: 65 gallons	F	Full	Full	Full	Full	Full	Full
Warning Lights, Buzzers, etc.	✓	✓	✓	✓	✓	✓	✓
Gauges & Instruments	✓	✓	✓	✓	✓	✓	✓
Oil/Air Pressure	✓	✓	✓	OK	✓	120/80	✓
Oil/Transmission Temp.	✓	✓	✓	✓	✓	✓	✓
Coolant Temp.	✓	✓	✓	✓	✓	✓	✓
Electrical: Volts/Amps	✓	✓	✓	✓	✓	✓	✓
Radio/Headsets/Cell Phone/Pager	✓	✓	✓	✓	✓	✓	✓
Clipboard/Paperwork/Maps/Passport	✓	✓	✓	✓	✓	✓	✓
Safety Vest/Brush Shirts/Fire Shelter	✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights	4	✓	4	4	4	✓	✓
Supra Key / RAD Detector	✓	✓	✓	✓	✓	✓	✓
Thermal Camera (TIC) Batteries	✓	✓	✓	✓	✓	✓	✓
Lights: Running/warning/scene	✓	✓	✓	✓	✓	✓	✓
Code 3 Equipment	✓	✓	✓	✓	✓	✓	✓
Tires / Wheels	✓	✓	✓	✓	✓	✓	✓
10 Step Air Brake Check (see back)							
Detailed Aerial Check (see pg. 3)				NON TUES			
Aerial PTO - #1	✓	✓	✓	✓	✓	✓	✓
Hydraulic Generator PTO - #2	✓	✓	✓	✓	✓	✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)	✓	✓	✓	✓	✓	✓	✓
Water Tank Level 300 gallons	F	Full	F	Full	F	Full	F
Foam tank level 30 gallons	F	Full	F	Full	F	Full	F
Daily Pump Check	✓	✓	✓	✓	✓	✓	✓
Detailed Pump Check (see pg. 2)							
Jump Bag(Airway/Trauma/Peds)	1400	✓	✓	✓	✓	✓	✓
O2 Level	1400	1400	1300	1300	1400	1400	1400
ECG Monitor	✓	✓	✓	✓	✓	✓	✓
CEP Drug Box / RSI Drug Box	✓	✓	✓	✓	✓	✓	✓
Suction Unit	✓	✓	✓	✓	✓	✓	✓
Miscellaneous Supplies	✓	✓	✓	✓	✓	✓	✓
Drinking Water	✓	✓	✓	✓	✓	✓	✓
Hand Tools/Wild Land/Appliances	✓	✓	✓	✓	✓	✓	✓
Engineers Headset/Flashlights	✓	✓	✓	✓	✓	✓	✓
Portable Extinguishers(ABC/PW)	✓	✓	✓	✓	✓	✓	✓
Power Tools / Fuel Cans	✓	✓	✓	✓	✓	✓	✓
Run Power Tools (see back)	✓	✓	✓	✓	✓	✓	✓
Tool Bag/Tools/Slm Jim	✓	✓	✓	✓	✓	✓	✓
Snake Box/Pole	✓	✓	✓	✓	✓	✓	✓
Foam containers/Eductor	✓	✓	✓	✓	✓	✓	✓
SCBA/Spare Air Bottles	✓	✓	✓	✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)	✓	✓	✓	✓	✓	✓	✓
RIT Bag / Safety Ropes	✓	✓	✓	✓	✓	✓	✓

Safety Equipment: Cones, Flares	✓	✓	✓	✓	✓	✓	✓
Wheel Chocks	✓	✓	✓	✓	✓	✓	✓
Ladders	✓	✓	✓	✓	✓	✓	✓
Portable Monitor w/ chains	✓	✓	✓	✓	✓	✓	✓

	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain	4000	4000	4000	4000		4500	4500
SCBA 2 Engineer	4500	4500	4500	4500		4500	4500
SCBA 3 FF #1	4500	4500	4500	4500		4500	4500
SCBA 4 FF #2	4500	4500	4500	4500		4500	4500
RIC BAG	✓	✓	✓	✓			

Spare 1	4500	4500	4500	4500		4500	4500
Spare 2	4500	4500	4500	4500			
Spare 3	4500	4500	4500	4500			
Spare 4	4500	3900	4500	4500			
Spare 5	4500	3900	4500	4500			
Spare 6		4500	4500	4500			

	Sun.	Wed.
Check Fluids	2/6	2/6
Engine Oil	✓	✓
Transmission	✓	✓
Coolant	✓	✓
Brake/Air Pressure	✓	✓
Power Steering	✓	✓
Wiper Fluid	✓	✓
Check Battery/Battery	✓	✓
Check Belts/Hoses	✓	✓
Check Breather Valve/Transmission	✓	✓
Check Front Brakes & Lines	✓	✓
Check Rear Brakes and Lines	✓	✓
Check Suspension/Steering Components	✓	✓
Check Drive Line	✓	✓
Check for any Fluid Leaks/Notes	✓	✓
Check Front/Rear Tire Wear/Tread	✓	✓

Check Tire Pressures	LF 120	RF 120	LF 120	RF 120
2nd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120
3rd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120

Check gauges:	Date Sat.
Engine RPM	✓
Temperature	✓
Fuel	✓
Check Pump Volt/Amps	✓
Inspect/Operate Drain Valves	✓
Inspect all Intakes/Discharges	✓
Check Priming Pump Operation	✓
Check Proper Operation of Relief Valve	✓
Flush & Drain Discharges	✓
1st Sat. of month Flush and Refill Tank	✓
Foam System Operational Check	✓

10 Step Air-Brake Check	Tues.
1. Air Chambers, Air lines	✓
2. Check Drums/Discs, Shoes/Pads	✓
3. Test Low Air-Pressure Warning	75
4. Automatic Spring Brake Set	15
5. Rate of Air-Pressure Build up	✓
6. Test Air Leakage Rate	✓
7. Check Air-Compressor Governor Cut In/Out	

	Mon.	Thurs.
Hydraulic Generator	✓	✓
Portable Generator	✓	✓
Fan's 1 and 2	✓	✓
Circular Saw/Blades	✓	✓
Chain Saw/Inspect Chain	✓	✓
Power plant-Rescue Tool	✓	✓
Spreaders (Cutters)	✓	✓
Short ram Long Ram	✓	✓
Inspect Saws-all	✓	✓
Refuel as Needed	✓	✓
Check Maint. Tag	✓	✓
Inspect Ladders/Halyards/Locks/etc.		✓

Perform Weekly SCBA Inspections
(See Weekly SCBA Inspection Sheet)
Date: Initials:
Date: Initials:

	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level							
Hydraulic Leaks							
Functional Graphic Display Panel							
R / L Mid-Ship Stabilizers							
Auxiliary Ground Pads							
Rear Jacks							
Front Cab Jacks							
Stabilizer Interlock Graphic Display							
Audible Warning System							
Aux. Hydraulic Pump							
Hydraulic Transfer / Upper Power							
Emergency Hydraulic Pump/Controls							
Breathing Air System Pressure							
Raise / Lower							
Extend / Retract							
360 R / L Full Rotation @ 80 degrees							
Functional Graphic Display Panel							
Boom Lights - Alarm Test - Ladder Lights							
PA / PPT Mike							
Turn Table Flood Lights							
Bucket Control Switch							
Safety Override Switch's							
Manual Hydraulic Override Controls							
Pedestal Hydraulic Lines, Any Leaks							
Safety Lines							
Smart Boom Warning System							
Stabilizer Interlock Override							
Rotational Interlock System							
Emergency Hydraulic Controls							
Functional Graphic Display Panel							
Bucket Control Power							
High Range / Creep Mode							
Raise / Lower							
Extend / Retract							
Rotation R / L							
Self Leveling System/Emg. Stop/Disable							
Leveling System Override							
Hyd. Reservoir for Leveling System							
Spot / Flood Lights / Ladder Lights							
Panel Light, Alarm Silence							
Manual and Remote Nozzle Controls							
Master Streams, Aux. Discharges							
Water Control Valves							
Platform Folding Egress Ladder							
Stokes Basket Arms, Lifting Eyes							
Breathing Air Gauge and Hook Ups							
Access/Egress Doors							
Hand Tools / Holders							
5 Ladder Sections, Slide Block Paths							
Aerial Extension / Retraction Cylinders							
Water Way Tubes							
Turn Table Hydraulic Lines							
Sheaves and Cables							
Cable Track / Wiring Harness							
Bucket Hydraulic Lines							
Bucket Leveling Cylinders							

OK

Run Tests, BP

OK

Daily Vehicle Check. Tower 101

Revised: 9/12/2010

Month/Year: Feb 11

Dates:

Sun. 2/13 Mon. 2/14 Tues. 2/15 Wed. 2/16 Thurs. 2/17 Fri. 2/18 Sat. 2/19

Shop #: 3140

		Sun. 2/13	Mon. 2/14	Tues. 2/15	Wed. 2/16	Thurs. 2/17	Fri. 2/18	Sat. 2/19
Crew 1								
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 15th	6479	6488		6508			6508
Engine Hrs:	1st and 15th	552	553		555			556
Aerial Hours	1st and 15th	205.4			206.3			
Generator Hours	1st and 15th				46.4			
Fuel Level:	Capacity: 65 gallons	7/8	F		7/8			7/8
Warning Lights, Buzzers, etc.								
Warning Lights, Buzzers, etc.		✓	✓		✓			✓
Gauges & Instruments		✓	✓		✓			✓
Oil/Air Pressure		✓	✓		*✓			*✓
Oil/Transmission Temp.		✓	✓		✓			✓
Coolant Temp.		✓	✓		✓			✓
Electrical: Volts/Amps		✓	✓		✓			✓
Radios/Headsets/Cell Phone/Pager		✓	✓		✓			✓
Clipboard/Paperwork/Maps/Passport		✓	✓		✓			✓
Safety Vest/Brahn Shirts/Fire Shelter		✓	✓		✓			✓
Survivor Flashlights		✓	✓		✓			✓
Supra Key / RAD Detector		✓	✓		✓			✓
Thermal Camera (TIC) Batteries		✓	✓		✓			✓
Lights: Running/warning/scene								
Lights: Running/warning/scene		✓	✓		✓			✓
Code 3 Equipment		✓	✓		✓			✓
Tires / Wheels		✓	✓		✓			✓
10 Step Air Brake Check (see back)					✓			
Detailed Aerial Check (see pg. 3)					✓			
Aerial PTO - #1		✓	✓		✓			✓
Hydraulic Generator PTO - #2		✓	✓		✓			✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)		✓	✓		✓			✓
Water Tank Level 300 gallons		✓	✓		Full			Full
Foam tank Level 30 gallons		✓	✓		Full			Full
Daily Pump Check		✓	✓		✓			✓
Detailed Pump Check (see pg. 2)								
EMS Equipment								
Jump Bags (Airway/Trauma/Peds)		✓	✓		✓			✓
O2 Level		1200	✓		1200			1000
ECG Monitor		✓	✓		✓			✓
CEP Drug Box / RSI Drug Box		✓	✓		✓			✓
Suction Unit		✓	✓		✓			✓
Miscellaneous Supplies		✓	✓		✓			✓
Drinking Water		✓	✓		✓			✓
FIRE EQUIPMENT								
Hand Tools/Wild Land/Appliances		✓	✓		✓			✓
Engineers Headset/Flashlights		✓	✓		✓			✓
Portable Extinguishers (ABC/PW)		✓	✓		✓			✓
Power Tools / Fuel Cans		✓	✓		✓			✓
Run Power Tools (see back)		✓	✓		✓			✓
Tool Bag/Tools/Slim Jim		✓	✓		✓			✓
Snake Box/Pole		✓	✓		✓			✓
Foam containers/Eductor		✓	✓		✓			✓
SCBA/Spare Air Bottles		✓	✓		✓			✓
Weekly SCBA Inspection (see pg. 2)		✓	✓		✓			✓
RIT Bag / Safety Ropes		✓	✓		✓			✓
Air/Gas Monitor (check charge on Fri.)		✓	✓		✓			✓

Safety Equipment: Cones, Flares		✓		✓		✓
Wheel Chocks		✓		✓		✓
Ladders		✓		✓		✓
Portable Monitor w/ chains		✓		✓		✓

SCBA TANKS - 100% CAPACITY

	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain		4500		4500		*	
SCBA 2 Engineer		4500		4500		*	4500
SCBA 3 FF #1		4500		4500		*	4500
SCBA 4 FF #2		4500		4500		*	4500
RIC BAG		4500				*	

WATER CHAMBERS - 100% CAPACITY

	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Spare 1		4500		4500		*	4500
Spare 2				4500		*	4500
Spare 3				4500		*	4500
Spare 4				4500		*	4500
Spare 5				4500		*	4500
Spare 6				4500		*	4500

WEEKLY INSPECTIONS

Check Fluids	Dates	Sun.	Wed.	Tues.
Engine Oil			2-16	
Transmission				
Coolant				
Brake/Air Pressure				
Power Steering				
Wiper Fluid				
Check Battery Battery				
Check Belts/Hoses				
Check Breather Valve/Transmission				
Check Front Brakes & Lines				
Check Rear Brakes and Lines				
Ck Suspension/Steering Components				
Check Drive Line				
Check for any Fluid Leaks/Note				
Check Front/Rear Tire Wear/Tread				

10 Step Air-Brake Check	Tues.
1. Air Chambers, Air lines	
2. Check Drums/Disc, Shoes/Pads	
3. Test Low Air-Pressure Warning	
4. Automatic Spring Brake Set	
5. Rate of Air-Pressure Build up	
6. Test Air Leakage Rate	
7. Check Air-Compressor Governor Cut In/Out	

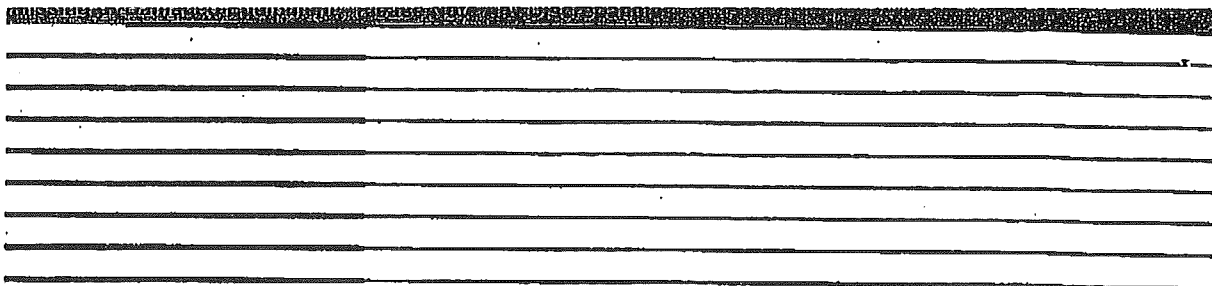
Check Tire Pressures	LF	RF	LF 120	RF 120
All at 120				
O = Outside				
I = Inside				
2nd Axle	O-LR	O-RR	O-LR 120	O-RR 120
	I-LR	I-RR	I-LR 120	I-RR 120
3rd Axle	O-LR	O-RR	O-LR 120	O-RR 120
	I-LR	I-RR	I-LR 120	I-RR 120

Check gauges:	Date	Sat. 2/19
Engine RPM		✓
Temperature		✓
Fuel		✓
Check Pump Volt/Amps		✓
Inspect/Operate Drain Valves		✓
Inspected all Intakes/Discharges		✓
Check Priming Pump Operation		✓
Check Proper Operation of Relief Valve		✓
Flush & Drain Discharges		✓
1st Sat. of month Flush and Refill Tank		
Foam System Operational Check		✓

	Mon. 2/19	Thurs.
Hydraulic Generator	✓	
Portable Generator	✓	
Fan's 1 and 2	✓	
Circular Saw/Blades	✓	
Chain Saw/Inspect Chain	✓	
Power plant-Rescue Tool	✓	
Spreaders - Cutters	✓	
Short-ram Long-Ram	✓	
Inspect Saws-all	✓	
Refuel as Needed	✓	
Check Maint. Tag	✓	
		Thurs.
Inspect Ladders/Halyards/Locks/etc.		

Perform Weekly SCBA Inspections
(See Weekly SCBA Inspection Sheet)
Date: Initials:
Date: Initials:

Stabilization System	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level				✓			
Hydraulic Leaks				✓			
Functional Graphic Display Panel				✓			
R / L Mid-Ship Stabilizers				✓			
Auxiliary Ground Pads				✓			
Rear Jacks				✓			
Front Cab Jacks				✓			
Stabilizer Interlock Graphic Display				✓			
Audible Warning System				✓			
Aux. Hydraulic Pump				✓			
Hydraulic Transfer / Upper Power				✓			
Emergency Hydraulic Pump/Controls				✓			
Turn Table and Controls				✓			
Breathing Air System Pressure				✓			
Raise / Lower				✓			
Extend / Retract				✓			
360 R / L Full Rotation @ 80 degrees				✓			
Functional Graphic Display Panel				✓			
Boom lights - Alarm Test - Ladder Lights				✓			
PA / PPT Mike				✓			
Turn Table Flood Lights				✓			
Bucket Control Switch				✓			
Safety Override Switch's				✓			
Manual Hydraulic Override Controls				✓			
Pedestal Hydraulic Lines, Any Leaks				✓			
Safety Lines				✓			
Smart Boom Warning System				✓			
Stabilizer Interlock Override				✓			
Rotational Interlock System				✓			
Emergency Hydraulic Controls				✓			
Bucket Controls				✓			
Functional Graphic Display Panel				✓			
Bucket Control Power				✓			
High Range / Creep Mode				✓			
Raise / Lower				✓			
Extend / Retract				✓			
Rotation R / L				✓			
Self Leveling System/Emg. Stop/Disable				✓			
Leveling System Override				✓			
Hyd. Reservoir for Leveling System				✓			
Spot / Flood Lights / Ladder Lights				✓			
Panel Light, Alarm Silence				✓			
Manual and Remote Nozzle Controls				✓			
Master Streams, Aux. Discharges				✓			
Water Control Valves				✓			
Platform Folding Egress Ladder				✓			
Stokes Basket Arms, Lifting Eyes				✓			
Breathing Air Gauge and Hook Ups				✓			
Access/Egress Doors				✓			
Hand Tools / Holders				✓			
5 Ladder Sections, Slide Block Paths				✓			
Aerial Extension / Retraction Cylinders				✓			
Water Way Tubes				✓			
Turn Table Hydraulic Lines				✓			
Sheaves and Cables				✓			
Cable Track / Wiring Harness				✓			
Bucket Hydraulic Lines				✓			
Bucket Leveling Cylinders				✓			



Daily Vehicle Check: Tower 151

Revised: 4/4/2010

Month/Year: Feb/11

Shop #: 3140

Dates:		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1								
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 16th	6509	6509	6510	6510	6515	6515	6515
Engine Hrs:	1st and 16th	556	556	557	557	558	558	558
Aerial Hours	1st and 16th			0207	0207			
Generator Hours	1st and 16th			47.6				
Fuel Level: Capacity: 66 gallons		3/4	7/8	3/4	3/4	3/4	3/4	3/4
Warning Lights, Buzzers, etc.								
Gauges & Instruments		✓	✓	✓	✓		✓	✓
Oil/Air Pressure		✓	✓	✓	✓		✓	✓
Oil/Transmission Temp.		✓	✓	✓	✓		✓	✓
Coolant Temp.		✓	✓	✓	✓		✓	✓
Electrical: Volts/Amps		✓	✓	✓	✓		✓	✓
Radios/Headsets/Cell Phone/Pager		✓	✓	✓	✓		✓	✓
Clipboard/Paperwork/Maps/Passport		✓	✓	✓	✓		✓	✓
Safety Vest/Brush Shirts/Fire Shelter		✓	✓	✓	✓		✓	✓
Survivor Flashlights		4	✓x4	✓x4	✓4		✓4	4
Supra Key / RAD Detector		✓	✓	✓	✓		✓	✓
Thermal Camera (TIC) Batteries		✓	✓	✓	✓		✓	✓
Lighting								
Lights: Running/warning/scene		✓	✓	✓	✓		✓	✓
Code 3 Equipment		✓	✓	✓	✓		✓	✓
Tires / Wheels		✓	✓	✓	✓		✓	✓
10 Step Air Brake Check (see back)								
Detailed Aerial Check (see pg. 3)								
Aerial PTO - #1		✓	✓	✓	✓		✓	✓
Hydraulic Generator PTO - #2		✓	✓	✓	✓		✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)		✓			✓			
Water Tank Level 300 gallons		✓	✓	✓	✓		✓	✓
Foam tank Level 30 gallons		✓	✓	✓	✓		✓	✓
Daily Pump Check		✓	✓	✓	✓		✓	✓
Detailed Pump Check (see pg. 2)								
Medical Equipment								
Jump Bags (Airway/Trauma/Peds)		1	✓	✓	✓		✓	✓
O2 Level		✓	✓	1106	1106		1106	1000
ECG Monitor (Weekly Detail Check)		✓	✓	✓	✓		✓	✓
CEP Drug Box / RSI Drug Box		✓	✓	✓	✓		✓	✓
Suction Unit		✓	✓	✓	✓		✓	✓
Miscellaneous Supplies		✓	✓	✓	✓		✓	✓
Drinking Water		✓	✓	✓	✓		✓	✓
Tools & Equipment								
Hand Tools/Wild Land/Appliances		✓	✓	✓	✓		✓	✓
Engineers Headset/Flashlight		✓	✓	✓	✓		✓	✓
Portable Extinguishers (ABC/PW)		✓	✓	✓	✓		✓	✓
Power Tools / Fuel Cans		✓	✓	✓	✓		✓	✓
Run Power Tools (see back)			✓					
Tool Bag/Tools/Slim Jim		✓	✓	✓	✓		✓	✓
Snake Box/Pole		✓	✓	✓	✓		✓	✓
Foam containers/Eductor		✓	✓	✓	✓		✓	✓
SCBA/Spare Air Bottles		✓	✓	✓	✓		✓	✓
Weekly SCBA Inspection (see pg. 2)							✓	
RIT Bag / Safety Ropes		✓	✓	✓	✓		✓	✓

SAFETY EQUIPMENT		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Safety Equipment: Cones, Flares			✓		✓		✓	✓
Wheel Chocks			✓		✓		✓	✓
Ladders			✓		✓		✓	✓
Portable Monitor w/ chains			✓		✓		✓	✓

SCBA		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1	Captain		4400		4400	4500	* 4500	4500
SCBA 2	Engineer		4500		4500	4500	* 4500	4500
SCBA 3	FF #1		4400		4400	4500	* 4500	4500
SCBA 4	FF #2					4500	* 4500	4500
RIC BAG							*	
Valve Airline						4	4	4
Spare 1			4500		4500	4500	* 4500	4500
Spare 2			4500		4500	4500	* 4500	4500
Spare 3			4500		4500	4500	* 4500	4500
Spare 4			4400		4400	4500	* 4500	4500
Spare 5			4400		4400	4500	* 4500	4500
Spare 6			4500		4500	4500	* 4500	4500

Check Fluids		Sun.	Wed.
Engine Oil	2/27		✓
Transmission			✓
Coolant			✓
Brake/Air Pressure			✓
Power Steering			✓
Wiper Fluid			✓
Check Battery Battery			✓
Check Belts/Hoses			✓
Check Breather Valve/Transmission			✓
Check Front Brakes & Lines			✓
Check Rear Brakes and Lines			✓
Check Suspension/Steering Components			✓
Check Drive Line			✓
Check for any Fluid Leaks/Note			✓
Check Front/Rear Tire Wear/Tread			✓

Check Tire Pressures		LF	RF	LF 120	RF 120
All at 120	2nd Axle	O-LR	O-RR	O-LR 120	O-RR 120
O = Outside		I-LR	I-RR	I-LR 120	I-RR 120
I = Inside	3rd Axle	O-LR	O-RR	O-LR 120	O-RR 120
		I-LR	I-RR	I-LR 120	I-RR 120

Check gauges:		Date	2/26
Engine RPM			✓
Temperature			✓
Fuel			✓
Check Pump Volt/Amps			✓
Inspect/Operate Drain Valves			✓
Inspected all Intakes/Discharges			✓
Check Priming Pump Operation			✓
Check Proper Operation of Relief Valve			✓
Flush & Drain Discharges			✓
1st Sat. of month Flush and Refill Tank			
Foam System Operational Check			

10 Step Air-Brake Check		Tues.
1. Air Chambers, Air lines		
2. Check Drums/Disks, Shoes/Pads		
3. Test Low Air-Pressure Warning		
4. Automatic Spring Brake Set		
5. Rate of Air-Pressure Build up		
6. Test Air Leakage Rate		
7. Check Air-Compressor Governor		
Cut In/Out		

		Mon.	Thurs.
Hydraulic Generator		✓	✓
Portable Generator		✓	✓
Fan(s) 1 and 2		✓	✓
Circular Saw/Blades		✓	✓
Chain Saw/Inspect Chain		✓	✓
Power plant-Rescue Tool		✓	✓
Spreaders Cutters		✓	✓
Short ram Long Ram		✓	✓
Inspect Saws-all		✓	✓
Refuel as Needed		✓	✓
Check Maint. Tag		✓	✓
			Thurs.
Inspect Ladders/Rigging/Locks/etc.			✓

Perform Weekly SCBA Inspections	
(See Weekly SCBA Inspection Sheet)	
Date: 2-25-11	Initials: J.S.
Date:	Initials: N/A

8. Low Air Alarm when started 2/27/11 GC

Daily Vehicle Check: Tower 151

Revised: 4/4/2010

Month/Year: MARCH 2011

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage:	1st and 15th	60619	60620	60620	60627	60627	60628
Engine Hrs:	1st and 15th	571	571	571	573	573	575
Aerial Hours	1st and 15th			211		212	
Generator Hours	1st and 15th						
Fuel Level: Capacity: 65 gallons		7/8	7/8	7/8	3/4+	3/4+	3/4+
Cab Controls/Instrument Panel							
Warning Lights, Buzzers, etc.	✓		✓	✓	✓	✓	✓
Gauges & Instruments	✓		✓	✓	✓	✓	✓
Oil/Air Pressure	✓		✓	✓	✓	✓	✓
Oil/Transmission Temp.	✓		✓	✓	✓	✓	✓
Coolant Temp.	✓		✓	✓	✓	✓	✓
Electrical: Volts/Amps	✓		✓	✓	✓	✓	✓
Radios/Headsets/Cell Phone/Pager	✓		✓	✓	✓	✓	✓
Clipboard/Paperwork/Maps/Passport	✓		✓	✓	✓	✓	✓
Safety Vest/Brush Shirts/Fire Shelter	✓		✓	✓	✓	✓	✓
Survivor Flashlights	✓		✓	✓	✓	✓	✓
Supra Key / RAD Detector	✓		✓	✓	✓	✓	✓
Thermal Camera (TIC) Batteries	✓		✓	✓	✓	✓	✓
Mechanical/Electrical							
Lights: Running/warning/scene	✓		✓	✓	✓	✓	✓
Code 3 Equipment	✓		✓	✓	✓	✓	✓
Tires / Wheels	✓		✓	✓	✓	✓	✓
10 Step Air Brake Check (see back)			✓				
Detailed Aerial Check (see pg. 3)			✓				
Aerial PTO - #1	✓		✓		✓	✓	✓
Hydraulic Generator PTO - #2	✓		✓		✓	✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)	✓		✓		✓	✓	✓
Water Tank Level 300 gallons	F		F		F	F	F
Foam tank Level 30 gallons	F		F		F	F	F
Daily Pump Check	✓		✓		✓	✓	✓
Detailed Pump Check (see pg. 2)							✓
MIS Equipment							
Jump Bags (Airway/Trauma/Peds)	✓		✓		✓	✓	✓
O2 Level	1400				1400	1400	1400
ECG Monitor (Weekly Detail Check)	✓		✓		✓	✓	✓
CEP Drug Box / RSI Drug Box	✓		✓		✓	✓	✓
Suction Unit	✓		✓		✓	✓	✓
Miscellaneous Supplies	✓		✓		✓	✓	✓
Drinking Water	✓		✓		✓	✓	✓
FIRE EQUIPMENT							
Hand Tools/Wild Land/Appliances	✓		✓		✓	✓	✓
Engineers Headset/Flashlights	✓		✓		✓	✓	✓
Portable Extinguishers (ABC/PW)	✓		✓		✓	✓	✓
Power Tools / Fuel Cans	✓		✓		✓	✓	✓
Run Power Tools (see back)							
Tool Bag/Tools/Slim Jim	✓	✓	✓		✓	✓	✓
Snake Box/Pole	✓	✓	✓		✓	✓	✓
Foam containers/Eductor	✓	✓	✓		✓	✓	✓
SCBA/Spare Air Bottles	✓	✓	✓		✓	✓	✓
Weekly SCBA Inspection (see pg. 2)						✓	
RIT Bag / Safety Ropes	✓	✓	✓			✓	✓

FIRE EQUIPMENT CONTINUED

Safety Equipment: Cones, Flares
Wheel Chocks
Ladders
Portable Monitor w/ chains

✓		✓		✓	✓	✓	✓
✓		✓		✓			✓
✓		✓		✓			✓

DAILY INSPECTIONS CONTINUED

SCBA Checks

SCBA 1 Captain
SCBA 2 Engineer
SCBA 3 FF #1
SCBA 4 FF #2
RIC BAG

Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
4500		4500		4500	*	4500
		4500		4500	*	
		4500		4500	*	
		45			*	
					*	

Voice Emitters

Spare Air Bottles

Spare 1
Spare 2
Spare 3
Spare 4
Spare 5
Spare 6

4500		4500		4500	*	4500
				4500	*	
				4500	*	
				4500	*	
				4500	*	
				4500	*	

WEEKLY INSPECTIONS

DAILY INSPECTIONS CONTINUED

Check Fluids

Engine Oil
Transmission
Coolant
Brake/Air Pressure
Power Steering
Wiper Fluid

Sun.	Wed.
03/00	

Check Battery/Battery
Check Belts/Hoses
Check Breather Valve/Transmission
Check Front Brakes & Lines
Check Rear Brakes and Lines
Check Suspension/Steering Components
Check Drive Line
Check for any Fluid Leaks/Note
Check Front/Rear Tire Wear/Tread

✓	
✓	
✓	
✓	
✓	
✓	
✓	
✓	
✓	
✓	

10 Step Air-Brake Check

1. Air Chambers, Air Lines
2. Check Drums/Disc, Shoes/Pads
3. Test Low Air-Pressure Warning
4. Automatic Spring Brake Set
5. Rate of Air-Pressure Build up
6. Test Air Leakage Rate
7. Check Air-Compressor Governor Cut In/Out

Tues.

03/00
✓
✓
✓
✓
✓
✓
5000

Check Tire Pressures

All at 120
O = Outside
I = Inside

LF	RF	LF	RF
120	120		
0-LR 120	0-RR 120	0-LR	0-RR
I-LR 120	I-RR 120	I-LR	I-RR
0-LR 120	0-RR 120	0-LR	0-RR
I-LR 120	I-RR 120	I-LR	I-RR

Mon.

Hydraulic Generator
Portable Generator
Fan's 1 and 2
Circular Saw/Blades
Chain Saw/Inspect Chain
Power plant-Rescue Tool
Spreaders- Cutters
Short ram Long Ram
Inspect Saws-all
Refuel as Needed
Check Maint. Tag

Thurs.

✓
✓
✓
✓
✓
✓
✓
✓
✓
✓

Check gauges:

Engine RPM
Temperature
Fuel
Check Pump Volt/Amps
Inspect/Operate Drain Valves
Inspected all Intakes/Discharges
Check Priming Pump Operation
Check Proper Operation of Relief Valve
Flush & Drain Discharges
1st Sat. of month Flush and Refill Tank
Foam System Operational Check

Date	Sat.
	✓
	✓
	✓
	✓
	✓
	✓
	✓
	✓
	✓

Thurs.

Inspect Ladders/Halyards/Locks/etc.

Perform Weekly SCBA Inspections

(See Weekly SCBA Inspection Sheet)

Date: 03/01/00 Initials: [Signature]

Date: Initials:

Weekly Actual Inspection - 2003							
Stabilization System		Sun 03/02	Mon.	Tues 03/03	Wed.	Thurs.	Fri.
Hydraulic Reservoir Level				Good			
Hydraulic Leaks				✓			
Functional Graphic Display Panel				✓			
R / L Mid-Ship Stabilizers				✓			
Auxiliary Ground Pads				✓			
Rear Jacks				✓			
Front Cab Jacks				✓			
Stabilizer Interlock Graphic Display				✓			
Audible Warning System				✓			
Aux. Hydraulic Pump				✓			
Hydraulic Transfer / Upper Power				✓			
Emergency Hydraulic Pump/Controls				✓			
Turn Table and Controls							
Breathing Air System Pressure				0.3/0.3			
Raise / Lower				✓			
Extend / Retract				✓			
360 R / L Full Rotation @ 80 degrees				✓			
Functional Graphic Display Panel				✓			
Boom lights - Alarm Test - Ladder Lights				0.3/0.3			
PA / PPT Mike				✓			
Turn Table Flood Lights				0.3/0.3			
Bucket Control Switch				✓			
Safety Override Switch's				✓			
Manual Hydraulic Override Controls				✓			
Pedestal Hydraulic Lines, Any Leaks				✓			
Safety Lines				✓			
Smart Boom Warning System				✓			
Stabilizer Interlock Override				✓			
Rotational Interlock System				✓			
Emergency Hydraulic Controls				✓			
Platform - Controls							
Functional Graphic Display Panel				✓			
Bucket Control Power				✓			
High Range / Creep Mode				✓			
Raise / Lower				✓			
Extend / Retract				✓			
Rotation R / L				✓			
Self Leveling System/Emg. Stop/Disable				✓			
Leveling System Override				✓			
Hyd. Reservoir for Leveling System				✓			
Spot / Flood Lights / Ladder Lights				0.3/0.3			
Panel Light, Alarm Silence				✓			
Manual and Remote Nozzle Controls				0.3/0.3			
Master Streams, Aux. Discharges							
Water Control Valves				0.3/0.3			
Platform Folding Egress Ladder				✓			
Stokes Basket Arms, Lifting Eyes				✓			
Breathing Air Gauge and Hook Ups				✓			
Access/Egress Doors				✓			
Hand Tools / Holders				✓			
Main Hoist - Controls							
5 Ladder Sections, Slide Block Paths				✓			
Aerial Extension / Retraction Cylinders				✓			
Water Way Tubes				✓			
Turn Table Hydraulic Lines				✓			
Sheaves and Cables				✓			
Cable Track / Wiring Harness				✓			
Bucket Hydraulic Lines				✓			
Bucket Leveling Cylinders				✓			

MISSING EQUIPMENT

* TIME TO LUBE & WIPE DOWN

Daily Vehicle Check: Tower 151

Revised: 9/12/2010

Month/Year: _____

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th	6781	6781	6781	6781	6782	6782	
Engine Hrs: 1st and 15th	590	590	590	590	591	591	
Aerial Hours 1st and 15th	216.2			216.2			
Generator Hours 1st and 15th				51.8			
Fuel Level: Capacity: 65 gallons	FULL	F	F	Full	F	FULL	
Warning Lights, Buzzers, etc.							
Gauges & Instruments	✓	✓	✓	✓	✓	✓	
Oil/Air Pressure	✓	✓	✓	✓	✓	✓	
Oil/Transmission Temp.	✓	✓	✓	✓	✓	✓	
Coolant Temp.	✓	✓	✓	✓	✓	✓	
Electrical: Volts/Amps	✓	✓	✓	✓	✓	✓	
Radlos/Headsets/Cell Phone/Pager	✓	✓	✓	✓	✓	✓	
Clipboard/Paperwork/Maps/Passport	✓	✓	✓	✓	✓	✓	
Safety Vest/Brush Shirt/Flt. Shelter	✓	✓	✓	✓	✓	✓	
Survivor Flashlights	✓x4	✓	✓	✓x4	✓	✓x9	
Supra Key / RAD Detector	✓	✓	✓	✓	✓	✓	
Thermal Camera (TIC) Batteries	✓	✓	✓	✓	✓	✓	
Mechanical Equipment							
Lights: Running/warning/scene	✓	✓	✓	✓	✓	✓	
Code 3 Equipment	✓	✓	✓	✓	✓	✓	
Tires / Wheels	✓	✓	✓	✓	✓	✓	
10 Step Air Brake Check (see back)							
Detailed Aerial Check (see pg. 3)				✓			
Aerial PTO - #1	✓	✓	✓	✓	✓	✓	
Hydraulic Generator PTO - #2	✓	✓	✓	✓	✓	✓	
Cab / Hood Tilt-Eng. Inspect (see pg. 2)	✓	✓	✓	✓	✓	✓	
Water Tank Level 300 gallons	✓	✓	F	Full	F	Full	
Foam tank Level 30 gallons	✓	✓	F	Full	F	Full	
Daily Pump Check	✓	✓	✓	✓	✓	✓	
Detailed Pump Check (see pg. 2)							
EMS Equipment							
Jump Bags(Airway/Trauma/Peds)	✓	✓	✓	✓	✓	✓	
O2 Level	2000	2000	1700	1720	1720	1700	
ECG Monitor	✓	✓	✓	✓	✓	✓	
CEP Drug Box / RSI Drug Box	✓	✓	✓	✓ND	✓	✓	
Suction Unit	✓	✓	✓	✓	✓	✓	
Miscellaneous Supplies	✓	✓	✓	✓	✓	✓	
Drinking Water	✓	✓	✓	✓	✓	✓	
FIRE EQUIPMENT							
Hand Tools/Wild Land/Appliances	✓	✓	✓	✓	✓	✓	
Engineers Headset/Flashlights	✓	✓	✓	✓	✓	✓	
Portable Extinguishers(ABC/PW)	✓	✓	✓	✓	✓	✓	
Power Tools / Fuel Cans.	✓	✓	✓	✓	✓	✓	
Run Power Tools (see back)					✓		
Tool Bag/Tools/Slim Jim	✓	✓	✓	✓	✓	✓	
Snake Box/Pole	✓	✓	✓	✓	✓	✓	
Foam containers/Eductor	✓	✓	✓	✓	✓	✓	
SCBA/Spare Air Bottles	✓	✓	✓	✓	✓	✓	
Weekly SCBA Inspection (see pg. 2)	✓	✓	✓	✓	✓	✓	
RT Bag / Safety Ropes	✓	✓	✓	✓	✓	✓	

FIRE EQUIPMENT - Continued

Safety Equipment: Cones, Flares
Wheel Chocks
Ladders
Portable Monitor w/ chains

✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓

DRIVE LOG - Continued

SCBA #	Driver	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1	Captain	4500	4500	4500	4500		4500	
SCBA 2	Engineer	4500	4500	4500	4500		4500	
SCBA 3	FF #1	4500	4500	4500	4500		4500	
SCBA 4	FF #2	4500	4500	4500	4500		4500	
RIC BAG								
Notes		4	4	4	4	4		
Spare 1		4500	4500	4500	4500		4500	
Spare 2		4500		4500	4500		4500	
Spare 3		4500		4500	4500		4500	
Spare 4		4500		4500	4500		4500	
Spare 5		4500		4500	4500		4500	
Spare 6		4500		4500	4500		4500	

WEEKLY INSPECTION

Check	Sun.	Wed.
Check Fluids	4-19	4-20
Engine Oil	✓	✓
Transmission	✓	✓
Coolant	✓	✓
Brake/Air Pressure	✓	✓
Power Steering	✓	✓
Wiper Fluid	✓	✓
Check Battery	✓	✓
Check Belts/Hoses	✓	✓
Check Breather Valve/Transmission	✓	✓
Check Front Brakes & Lines	✓	✓
Check Rear Brakes and Lines	✓	✓
Check Suspension/Steering Components	✓	✓
Check Drive Line	✓	✓
Check for any Fluid Leaks/Note	✓	✓
Check Front/Rear Tire Wear/Tread	✓	✓

Check	LF	RF	LF	RF
Check Tire Pressures	120	120	120	120
All at 120	2nd Axle	O-LR	O-RR	O-LR
O = Outside		I-LR	I-RR	I-LR
I = Inside	3rd Axle	O-LR	O-RR	O-LR
		I-LR	I-RR	I-LR

Check gauges:	Date	Sat.
Engine RPM		
Temperature		
Fuel		
Check Pump Volt/Amps		
Inspect/Operate Drain Valves		
Inspected all Intakes/Discharges		
Check Priming Pump Operation		
Check Proper Operation of Relief Valve		
Flush & Drain Discharges		
1st Sat. of month Flush and Refill Tank		
Foam System Operational Check		

10 Step Air-Brake Check	Tues.
1. Air Chambers, Air lines	
2. Check Drums/Disc, Shoes/Pads	
3. Test Low Air-Pressure Warning	
4. Automatic Spring Brake Set	
5. Rate of Air-Pressure Build up	
6. Test Air Leakage Rate	
7. Check Air-Compressor Governor	
Cut In/Out	

	Mon.	Thurs.
Hydraulic Generator	✓	✓
Portable Generator	✓	✓
Fan's 1 and 2	✓	✓
Circular Saw/Blades	✓	✓
Chain Saw/Inspect Chain	✓	✓
Power plant-Rescue Tool	✓	✓
Inspect - Cutters	✓	✓
Short-ram Long-Ram	✓	✓
Inspect Saws-all	✓	✓
Refuel as Needed	✓	✓
Check Maint. Tag	✓	✓
Inspect Ladders/Halyards/Locks/etc.		✓

Perform Weekly SCBA Inspections	Date	Initials
(See Weekly SCBA Inspection Sheet)	4/22/11	PM
Date:	4/22/11	Initials:

Weekly Aerial Inspection Checks

Stabilization System	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level				✓			
Hydraulic Leaks				✓			
Functional Graphic Display Panel				✓			
R / L Mid-Ship Stabilizers				✓			
Auxiliary Ground Pads				✓			
Rear Jacks				✓			
Front Cab Jacks				✓			
Stabilizer Interlock Graphic Display				✓			
Audible Warning System				✓			
Aux. Hydraulic Pump				✓			
Hydraulic Transfer / Upper Power				✓			
Emergency Hydraulic Pump/Controls				✓			
Turn Table and Controls							
Breathing Air System Pressure				✓			
Raise / Lower				✓			
Extend / Retract				✓			
360 R / L Full Rotation @ 80 degrees				✓			
Functional Graphic Display Panel				✓			
Boom lights - Alarm Test - Ladder Lights				✓			
PA / PPT Mike				✓			
Turn Table Flood Lights				✓			
Bucket Control Switch				✓			
Safety Override Switch's				✓			
Manual Hydraulic Override Controls				✓			
Pedestal Hydraulic Lines, Any Leaks				✓			
Safety Lines				✓			
Smart Boom Warning System				✓			
Stabilizer Interlock Override				✓			
Rotational Interlock System				✓			
Emergency Hydraulic Controls				✓			
Platform Controls							
Functional Graphic Display Panel				✓			
Bucket Control Power				✓			
High Range / Creep Mode				✓			
Raise / Lower				✓			
Extend / Retract				✓			
Rotation R / L				✓			
Self Levelling System/Emg. Stop/Disable				✓			
Levelling System Override				✓			
Hyd. Reservoir for Leveling System				✓			
Spot / Flood Lights / Ladder Lights				✓			
Panel Light, Alarm Silence				✓			
Manual and Remote Nozzle Controls				✓			
Master Streams, Aux. Discharges				✓			
Water Control Valves				✓			
Platform Folding Egress Ladder				✓			
Stokes Basket Arms, Lifting Eyes				✓			
Breathing Air Gauge and Hook Ups				✓			
Access/Egress Doors				✓			
Hand Tools / Holders				✓			
5 Ladder Sections, Slide Block Paths				*✓			
Aerial Extension / Retraction Cylinders				✓			
Water Way Tubes				✓			
Turn Table Hydraulic Lines				✓			
Sheaves and Cables				✓			
Cable Track / Wiring Harness				✓			
Bucket Hydraulic Lines				✓			
Bucket Leveling Cylinders				✓			

Miss M. G. Campbell, Allentown, Pa., Jan. 22, 1900.

[illegible]

Daily Vehicle Check: Ladder 151

Revised: 11/01/2011

Month/Year: _____

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th	7896	7896	7896	7896	7896	7898	
Engine Hrs: 1st and 15th	769	769	769	770	771	771	
Aerial Hours 1st and 15th							
Generator Hours 1st and 15th							
Fuel Level: Capacity: 65 gallons	7/8	7/8	7/8	3/4+	F	F	
Crew Controls/Instrumentation							
Warning Lights, Buzzers, etc.	✓	✓	✓	✓	✓	✓	✓
Gauges & Instruments	✓	✓	✓	✓	✓	✓	✓
Oil/Air Pressure	✓	✓	✓	✓	✓	✓	✓
Oil/Transmission Temp.	✓	✓	✓	✓	✓	✓	✓
Coolant Temp.	✓	✓	✓	✓	✓	✓	✓
Electrical: Volts/Amps	✓	13.1	✓	✓	✓	✓	✓
Radios/Headsets/Cell Phone/Pager	✓	✓	✓	✓	✓	✓	✓
Clipboard/Paperwork/Maps/Passport	✓	✓	✓	✓	✓	✓	✓
Safety Vest/Brush Shirts/Fire Shelter	✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights	4	x4	✓	✓	4	4	4
Supra Key / RAD Detector	✓	✓	✓	✓	✓	✓	✓
Thermal Camera (TIC) Batteries	✓	✓	✓	✓	✓	✓	✓
Mechanical/Inspection							
Lights: Running/warning/scene	✓	✓	✓	✓	✓	✓	✓
Code 3 Equipment	✓	✓	✓	✓	✓	✓	✓
Tires / Wheels	✓	✓	✓	✓	✓	✓	✓
10 Step Air Brake Check (see back)							
Detailed Aerial Check (see pg. 3)				✓			
Aerial PTO - #1	✓	✓	✓	✓	✓	✓	✓
Hydraulic Generator PTO - #2	✓	✓	✓	✓	✓	✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)			✓				
Water Tank Level 300 gallons	F	F	F	F	F	F	F
Foam tank Level 30 gallons	F	F	F	F	F	F	F
Daily Pump Check	✓	✓	✓	✓	✓	✓	✓
Detailed Pump Check (see pg. 2)							
EMS Equipment							
Jump Bags(Airway/Trauma/Peds)	✓	✓	✓	✓	✓	✓	✓
O2 Level	1400	1400	1400	1500			
ECG Monitor	✓	✓	✓	✓	✓	✓	✓
CEP Drug Box / RSI Drug Box	✓	✓	✓	✓	✓	✓	✓
Suction Unit	✓	✓	✓	✓	✓	✓	✓
Miscellaneous Supplies	✓	✓	✓	✓	✓	✓	✓
Drinking Water	✓	✓	✓	✓	✓	✓	✓
Fire Equipment							
Hand Tools/Wild Land/Appliances	✓	✓	✓	✓	✓	✓	✓
Engineers Headset/Flashlights	✓	✓	✓	✓	✓	✓	✓
Portable Extinguishers(ABC/PW)	✓	✓	✓	✓	✓	✓	✓
Power Tools / Fuel Cans	✓	✓	✓	✓	✓	✓	✓
Run Power Tools (see back)	✓	✓	✓	✓	✓	✓	✓
Tool Bag/Tools/Slings	✓	✓	✓	✓	✓	✓	✓
Snake Bite Pole	✓	✓	✓	✓	✓	✓	✓
Foam containers/Eductor	✓	✓	✓	✓	✓	✓	✓
SCBA/Spare Air Bottles	✓	✓	✓	✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)							
RIT Bag / Safety Buries	✓	✓	✓	✓	✓	✓	✓

FIRE EQUIPMENT INSPECTION							
Safety Equipment: Cones, Flares		✓	✓	✓	✓	✓	✓
Wheel Chocks		✓	✓	✓	✓	✓	✓
Ladders		✓	✓	✓	✓	✓	✓
Portable Monitor w/ chains			✓	✓	✓		

Daily Inspections - SCBA

SCBA Checks	Dates	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain			4400	401	4400		* 4400	9000 h
SCBA 2 Engineer			4100	401	4000		* 4200	↓
SCBA 3 FF #1			4300	401	4400		* 4000	↓
SCBA 4 FF #2			4200	401	4400		* 4200	↓
RIC BAG							*	
Vehicle				(4)	4		4	4
Spare 1			4500	45	4000		* 4000	↓
Spare 2			4400	401	4400		* 4100	↓
Spare 3			4300	401	4000		* 4000	↓
Spare 4			4500	45	4000		* 4200	↓
Spare 5			4400	401	4500		* 4100	↓
Spare 6			4100	401	4500		* 4100	↓

Weekly Inspections

Check Fluids	Dates	Sun.	Wed.	Tues.
Engine Oil			1/25	
Transmission			Full	
Coolant			✓	
Brake/Air Pressure			✓	
Power Steering			✓	
Wiper Fluid			✓	
Check Battery/Battery			✓	
Check Belts/Hoses			✓	
Check Breather Valve/Transmission			✓	
Check Front Brakes & Lines			✓	
Check Rear Brakes and Lines			✓	
CK Suspension/Steering Components			✓	
Check Drive Line			✓	
Check for any Fluid Leaks/Note			N/A	
Check Front/Rear Tire Wear/Tread			Good	

10 Step Air-Brake Check

1. Air Chambers, Air lines
2. Check Drums/Disc, Shoes/Pads
3. Test Low Air-Pressure Warning
4. Automatic Spring Brake Set
5. Rate of Air-Pressure Build up
6. Test Air Leakage Rate
7. Check Air-Compressor Governor Cut In/Out

Check Tire Pressures	LF	RF	LF	RF
All at 120			120	120
O = Outside	O-LR	O-RR	O-LR	O-RR
I = Inside	I-LR	I-RR	I-LR	I-RR
			120	120
			120	120
			120	120
			120	120

Detailed Equipment Check

Check gauges:	Date	Sat.
Engine RPM		✓
Temperature		✓
Fuel		✓
Check Pump Vol/Amps		✓
Inspect/Operate Drain Valves		✓
Inspected all Intakes/Discharges		✓
Check Priming Pump Operation		✓
Check Proper Operation of Relief Valve		✓
Flush & Drain Discharges		
1st Sat. of month Flush and Refill Tank		
Foam System Operational Check		

Inspect Ladders/Halyards/Locks/etc.

Perform Weekly SCBA Inspections

(See Weekly SCBA Inspection Sheet)

Date: 1/27

Initials:

Date: —

Initials:

Weekly Aerial Inspection Checks							
Stabilizer System - Dates	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level				F			
Hydraulic Leaks				* DR			
Functional Graphic Display Panel				*			
R / L Mid-Ship Stabilizers				✓			
Auxiliary Ground Pads				✓			
Rear Jacks				✓			
Front Cab Jacks				✓			
Stabilizer Interlock Graphic Display				✓			
Audible Warning System				✓			
Aux. Hydraulic Pump				✓			
Hydraulic Transfer / Upper Power				✓			
Emergency Hydraulic Pump/Controls				✓			
Turn Table and Controls							
Breathing Air System Pressure				4500			
Raise / Lower				✓			
Extend / Retract				✓			
360 R / L Full Rotation @ 80 degrees				✓			
Functional Graphic Display Panel				*			
Boom Lights - Alarm Test - Ladder Lights				✓			
PA / PPT Mike				✓			
Turn Table Flood Lights				✓			
Bucket Control Switch				✓			
Safety Override Switch's				✓			
Manual Hydraulic Override Controls				✓			
Pedestal Hydraulic Lines, Any Leaks				✓			
Safety Lines				✓			
Smart Boom Warning System				✓			
Stabilizer Interlock Override				✓			
Rotational Interlock System				✓			
Emergency Hydraulic Controls				✓			
Platform Controls							
Functional Graphic Display Panel				*			
Bucket Control Power				✓			
High Range / Creep Mode				✓			
Raise / Lower				✓			
Extend / Retract				✓			
Rotation R / L				✓			
Self Levelling System/Emg. Stop/Disable				✓			
Leveling System Override				✓			
Hyd. Reservoir for Leveling System				✓			
Spot / Flood Lights / Ladder Lights				✓			
Panel Light, Alarm Silence				✓			
Manual and Remote Nozzle Controls				✓			
Master Streams, Aux. Discharges				✓			
Water Control Valves				✓			
Platform Folding Egress Ladder				✓			
Stokes Basket Arms, Lifting Eyes				✓			
Breathing Air Gauge and Hook Ups				✓			
Access/Egress Doors				✓			
Hand Tools / Holders				✓			
Mechanical Section - Ladder Lower							
5 Ladder Sections, Slide Block Paths				✓			
Aerial Extension / Retraction Cylinders				✓			
Water Way Tubes				✓			
Turn Table Hydraulic Lines				*			
Sheaves and Cables				✓			
Cable Track / Wiring Harness				✓			
Bucket Hydraulic Lines				✓			
Bucket Levelling Cylinders				✓			

Amount of damage estimated = \$10.7

Driver side scene light on turner = bill 10.7 signed on 1/27

Daily Vehicle Check: Ladder 151

Revised: 11/01/2011

Month/Year: JAN/FEB 2012

Shop #: 3140

Dates: Sun. Mon. Tues. Wed. Thurs. Fri. Sat.

		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1								
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 15th	7898	7099		7899	7899	7899	7899
Engine Hrs:	1st and 15th	771	771		772	772	772	772
Aerial Hours	1st and 15th	263.1			263.1	263.2		
Generator Hours	1st and 15th				70.4			
Fuel Level:	Capacity: 65 gallons	F	FULL		F	F	F	FULL
CAUTION: AIR IN FUEL LINE								
Warning Lights, Buzzers, etc.		✓	✓		✓	✓	✓	✓
Gauges & Instruments		✓	✓		✓	✓	✓	✓
Oil/Air Pressure		✓	110/100	1	✓	✓	✓	120/50
Oil/Transmission Temp.		✓	✓		✓	✓	✓	✓
Coolant Temp.		✓	✓		✓	✓	✓	✓
Electrical: Volts/Amps		12.6	14.0		14.0	13.1	✓	14.0
Radios/Headsets/Golf Phone/Pager		✓	✓		✓	✓	✓	✓
Clipboard/Paperwork/Maps/Passport		✓	✓		✓	✓	✓	✓
Safety Vest/Brush Shirt/Fire Shelter		✓	✓		✓	✓	✓	✓
Survivor Flashlights		✓	✓		✓	✓	✓	✓
Supra Key / Backup		✓	✓		✓	✓	✓	✓
Thermal Camera (TIC) Batteries		✓	✓		✓	✓	✓	✓
MISC EQUIPMENT								
Lights: Running/warning/scene		✓	✓		✓	✓	✓	✓
Code 3 Equipment		✓	✓		✓	✓	✓	✓
Tires / Wheels		✓	✓		✓	✓	✓	✓
10 Step Air Brake Check (see back)								
Detailed Aerial Check (see pg. 3)								
Aerial PTO - #1		✓	✓			✓	✓	✓
Hydraulic Generator PTO - #2		✓	✓			✓	✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)		✓	✓			✓	✓	✓
Water Tank Level	300 gallons	F	F		✓	F	F	F
Foam tank Level	30 gallons	F	F		✓	F	F	F
Daily Pump Check		✓	✓		✓	✓	✓	✓
Detailed Pump Check (see pg. 2)								
MISC EQUIPMENT								
Jump Bags (Airway/Trauma/Peds)		✓	✓		✓	✓	✓	✓
O2 Level		1400	1500		1600	1400	1500	1500
ECG Monitor		✓	✓		✓	✓	✓	✓
CEP Drug Box / ASI Drug Box		✓	✓		✓	✓	✓	✓
Suction Unit		✓	✓		✓	✓	✓	✓
Miscellaneous Supplies		✓	✓		✓	✓	✓	✓
Drinking Water		✓	✓		✓	✓	✓	✓
FIRE EQUIPMENT								
Hand Tools / Tools / Appliances		✓	✓		✓	✓	✓	✓
Engineers Headset/Flashlights		✓	✓		✓	✓	✓	✓
Portable Extinguishers (ABC/PW)		✓	✓		✓	✓	✓	✓
Power Tools / Fuel Cans		✓	✓		✓	✓	✓	✓
Run Power Tools (see back)								
Tool Bag / Tools / Tools		✓	✓		✓	✓	✓	✓
Shovel / Pole		✓	✓		✓	✓	✓	✓
Foam container / Eductor		✓	✓		✓	✓	✓	✓
SCBA / Spare Air Bottles		✓	✓		✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)								
RIT Bag / Safety Ropes		✓	✓		✓	✓	✓	✓
Air/Gas Monitor (check chime on Fri)		✓	✓		✓	✓	✓	✓

* STEP
LBS
OUT

* MOVED HYDRANT WHEEL
TO ENGINE ROOM

FIRE EQUIPMENT CONTINUED

Safety Equipment: Cones, Flares	✓	✓	✓	✓	✓	✓
Wheel Chocks	✓XZ	✓	✓	✓XZ	✓XZ	✓
Ladders	✓	✓	✓	✓	✓	✓
Portable Monitor w/ chains	✓	✓	✓	✓	✓	✓

DAILY INSPECTIONS - CONTINUED

SCBA Check	SCBA	Sun. 1/29	Mon.	Tues.	Wed.	Thurs. 2/1	Fri.	Sat.
SCBA 1	Captain	45			45	45	*4200	40
SCBA 2	Engineer	45			45	40+	*4200	1
SCBA 3	FF #1	40+			40	40+	*4500	1
SCBA 4	FF #2	40+			40	40+	*4300	✓
RIC BAG		(4)			1	(4)		
Spare 1		40+			40	40+	*4000	1
Spare 2		40+			40	40+	*4500	
Spare 3		45			45	45	*4500	1 FILED
Spare 4		45			45	45	*4000	
Spare 5		40+			40	40+	*4200	
Spare 6		45			45	40+	*4000	

WEEKLY INSPECTIONS

Check Fluids	Dates	Sun. 1/29	Wed. 2/1
Engine Oil		✓	✓
Transmission		✓	✓
Coolant		✓	✓
Brake/Air Pressure		✓	✓
Power Steering		✓	✓
Wiper Fluid		✓	✓
Check Battery/Battery Cables		✓	✓
Check Belts/Hoses		✓	✓
Check Breather Valve/Transmission		✓	✓
Check Front Brakes & Lines		✓	✓
Check Rear Brakes and Lines		✓	✓
Ck Suspension/Steering Components		✓	✓
Check Drive Line		✓	✓
Check for any Fluid Leaks/Note		✓	✓
Check Front/Rear Tire Wear/Tread		✓	✓

Check Tire Pressures	LF 120	RF 120	LF 120	RF 120
All at 120				
2nd Axle	O-LR 120	O-RR 118	O-LR 120	O-RR 120
O = Outside	I-LR 120	I-RR 120	I-LR 120	I-RR 120
I = Inside				
3rd Axle	O-LR 120	O-RR 118	O-LR 120	O-RR 110
	I-LR 118	I-RR 118	I-LR 120	I-RR 120

Check gauges:	Date	Sat.
Engine RPM		✓
Temperature		✓
Fuel		✓
Check Pump Volt/Amps		✓
Inspect/Operate Drain Valves		✓
Inspected all Intakes/Discharges		✓
Check Priming Pump Operation		✓
Check Proper Operation of Relief Valve		✓
Flush & Drain Discharges		✓
1st Sat. of month Flush and Refill Tank		✓
Foam System Operational Check		✓

10 Step Air-Brake Check

Tues.
1. Air Chambers, Air lines
2. Check Drums/Disc, Shoes/Pada
3. Test Low Air-Pressure Warning
4. Automatic Spring Brake Set
5. Rate of Air-Pressure Build up
6. Test Air Leakage Rate
7. Check Air-Compressor Governor Cut In/Out

	Mon.	Thurs.
Hydraulic Generator	OK	✓
Portable Generator		✓
Fan's 1 and 2		✓
Circular Saw/Blades		✓
Chain Saw/Inspect Chain		✓
Power plant-Rescue Tool		✓
Spreaders / Cutters		✓
Short ram / Long Ram		✓
Inspect Saws-all		✓
Refuel as Needed		✓
Check Maint. Tag		✓
Inspect Ladders/Malyards/Locks/etc.		✓

Perform Weekly SCBA Inspections
(See Weekly SCBA Inspection Sheet)

Date: _____ Initials: _____

Date: _____ Initials: _____

NOT DO
WRL PRIC

Weekly Aerial Inspection Checklist								
Stabilization System - Jaws	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	
Hydraulic Reservoir Level				Full				
Hydraulic Leaks				None				
Functional Graphic Display Panel				?				
R / L Mid-Ship Stabilizers				✓				
Auxiliary Ground Pads				✓				
Rear Jacks				✓				
Front Cab Jacks				✓				
Stabilizer Interlock Graphic Display				?				
Audible Warning System				✓				
Aux. Hydraulic Pump				✓				
Hydraulic Transfer / Upper Power				✓				
Emergency Hydraulic Pump/Controls				✓				
Turntable and Controls								
Breathing Air System Pressure								
Raise / Lower				✓✓				
Extend / Retract				✓✓				
360 R / L Full Rotation @ 80 degrees				✓✓				
Functional Graphic Display Panel				✓				
Boom lights - Alarm Test - Ladder Lights				✓				
PA / PPT Mike				✓✓				
Turn Table Flood Lights				✓				
Bucket Control Switch				✓				
Safety Override Switch's.				✓				
Manual Hydraulic Override Controls				✓				
Pedestal Hydraulic Lines, Any Leaks				✗				
Safety Lines				✓				
Smart Boom Warning System				✓				
Stabilizer Interlock Override				✓				
Rotational Interlock System				✓				
Emergency Hydraulic Controls				✓				
Platform - Controls - Ego								
Functional Graphic Display Panel				✓				
Bucket Control Power				✓				
High Range / Creep Mode				✓				
Raise / Lower				✓				
Extend / Retract				✓				
Rotation R / L				✓				
Self Leveling System/Emg. Stop/Disable				✓				
Leveling System Override				✓				
Hyd. Reservoir for Leveling System				✓				
Spot / Flood Lights / Ladder Lights				✓✓				
Panel Light, Alarm Silence				✓✓				
Manual and Remote Nozzle Controls				✓✓				
Master Streams, Aux. Discharges				✓				
Water Control Valves				✓				
Platform Folding Egress Ladder				✓				
Stokes Basket Arms, Lifting Eyes				✓				
Breathing Air Gauge and Hook Ups				✓				
Access/Egress Doors				✓				
Hand Tools / Holders				✓				
Vertical Mast Section - Ego								
5 Ladder Sections, Slide-Block Paths				✓				
Aerial Extension / Retraction Cylinders				✓				
Water Way Tubes				✓				
Turn Table Hydraulic Lines				✓				
Sheaves and Cables				✓				
Cable Track / Wiring Harness				✓				
Bucket Hydraulic Lines				✓				
Bucket Leveling Cylinders				✓				

[illegible]

- Daily Vehicle Check: Tower 101

Revised: 4/4/2010

Shop #: 3140

Month/Year: Feb/11

Dates:

Sun.

Mon.

Tues.

Wed.

Thurs.

Fri.

Sat.

		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1								
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 15th	6509	6509	6510	6510	6515	6515	6515
Engine Hrs:	1st and 15th	556	556	557	557	558	558	558
Aerial Hours	1st and 15th			0307	0207			
Generator Hours	1st and 15th			47.6				
Fuel Level: Capacity: 65 gallons		7/8	7/8	3/4	3/4	3/4	3/4	3/4
Warning Lights, Buzzers, etc.								
Gauges & Instruments		✓	✓	✓	✓		✓	✓
Oil/Air Pressure		✓	*✓	✓	✓		✓	✓
Oil/Transmission Temp.		✓	✓	✓	✓		✓	✓
Coolant Temp.		✓	✓	✓	✓		✓	✓
Electrical: Volts/Amps		✓	✓	✓	✓		✓	✓
Radios/Headsets/Cell Phone/Pager		✓	✓	✓	✓		✓	✓
Clipboard/Paperwork/Maps/Passport		✓	✓	✓	✓		✓	✓
Safety Vest/Brush Shirts/Fire Shelter		4	✓x4	✓x4	✓4		✓4	4
Survivor Flashlights		✓	✓	✓	✓		✓	✓
Supra Key / RAD Detector		✓	✓	✓	✓		✓	✓
Thermal Camera (TIC) Batteries		✓	✓	✓	✓		✓	✓
Lights: Running/warning/scene								
Code 3 Equipment		✓	✓	✓	✓		✓	✓
Tires / Wheels		✓	✓	✓	✓		✓	✓
10 Step Air Brake Check (see back)		✓	✓	✓	✓		✓	✓
Detailed Aerial Check (see pg. 3)		✓	✓	✓	✓		✓	✓
Aerial PTO - #1		✓	✓	✓	✓		✓	✓
Hydraulic Generator PTO - #2		✓	✓	✓	✓		✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)		✓	✓	✓	✓		✓	✓
Water Tank Level 300 gallons		✓	✓	✓	✓		✓	✓
Foam tank Level 30 gallons		✓	✓	✓	✓		✓	✓
Daily Pump Check		✓	✓	✓	✓		✓	✓
Detailed Pump Check (see pg. 2)		✓	✓	✓	✓		✓	✓
Jump Bags (Airway/Trauma/Peds)								
O2 Level		✓	✓	1106	1100		1100	1000
ECG Monitor (Weekly Detail Check)		✓	✓	✓	✓		✓	✓
CEP Drug Box / RSI Drug Box		✓	✓	✓	✓		✓	✓
Suction Unit		✓	✓	✓	✓		✓	✓
Miscellaneous Supplies		✓	✓	✓	✓		✓	✓
Drinking Water		✓	✓	✓	✓		✓	✓
Hand Tools/Wild Land/Appliances								
Engineers Headset/Flashlights		✓	✓	✓	✓		✓	✓
Portable Extinguishers (ABC/PW)		✓	✓	✓	✓		✓	✓
Power Tools / Fuel Cans		✓	✓	✓	✓		✓	✓
Run Power Tools (see back)		✓	✓	✓	✓		✓	✓
Tool Bag/Tools/Slim Jim		✓	✓	✓	✓		✓	✓
Snake Box/Pole		✓	✓	✓	✓		✓	✓
Foam containers/Eductor		✓	✓	✓	✓		✓	✓
SCBA/Spare Air Bottles		✓	✓	✓	✓		✓	✓
Weekly SCBA Inspection (see pg. 2)		✓	✓	✓	✓		✓	✓
RIT Bag / Safety Ropes		✓	✓	✓	✓		✓	✓
Air/Gas Monitor (check charge on Fri.)		✓	✓	✓	✓		✓	✓

Safety Equipment: Cones, Flares		✓		✓		✓	
Wheel Chocks		✓		✓		✓	✓
Ladders		✓		✓		✓	✓
Portable Monitor w/ chains		✓		✓		✓	✓

SCBA	Personnel	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1	Captain		4400		4400	4500	* 4500	4600
SCBA 2	Engineer		4500		4500	4500	* 4500	4600
SCBA 3	FF #1		4400		4400	4500	* 4500	4600
SCBA 4	FF #2					4500	* 4500	4600
RIC BAG								
Voice Intercom						4	4	4
Spare Air Bottles								
Spare 1			4500		4500	4500	* 4500	4600
Spare 2			4500		4500	4500	* 4500	4600
Spare 3			4500		4500	4500	* 4500	4600
Spare 4			4400		4400	4500	* 4500	4600
Spare 5			4400		4400	4500	* 4500	4600
Spare 6			4500		4500	4500	* 4500	4600

Check Fluids	Dates	Sun.	Wed.
Engine Oil			2/27
Transmission			✓
Coolant			✓
Brake/Air Pressure			✓
Power Steering			✓
Wiper Fluid			✓
Check Battery/Battery			✓
Check Belts/Hoses			✓
Check Breather Valve/Transmission			✓
Check Front Brakes & Lines			✓
Check Rear Brakes and Lines			✓
Check Suspension/Steering Components			✓
Check Drive Line			✓
Check for any Fluid Leaks/Note			✓
Check Front/Rear Tire Wear/Tread			✓

Check Tire Pressures	LF	RF	LF 120	RF 120
All at 120				
2nd Axle	O-LR	O-RR	O-LR 120	O-RR 120
	I-LR	I-RR	I-LR 120	I-RR 120
3rd Axle	O-LR	O-RR	O-LR 120	O-RR 120
	I-LR	I-RR	I-LR 120	I-RR 120

Check gauges:	Date	Sat 2/26
Engine RPM		✓
Temperature		✓
Fuel		✓
Check Pump Volt/Amps		✓
Inspect/Operate Drain Valves		✓
Inspected all Intakes/Discharges		✓
Check Priming Pump Operation		✓
Check Proper Operation of Relief Valve		✓
Flush & Drain Discharges		✓
1st Sat. of month Flush and Refill Tank		
Foam System Operational Check		

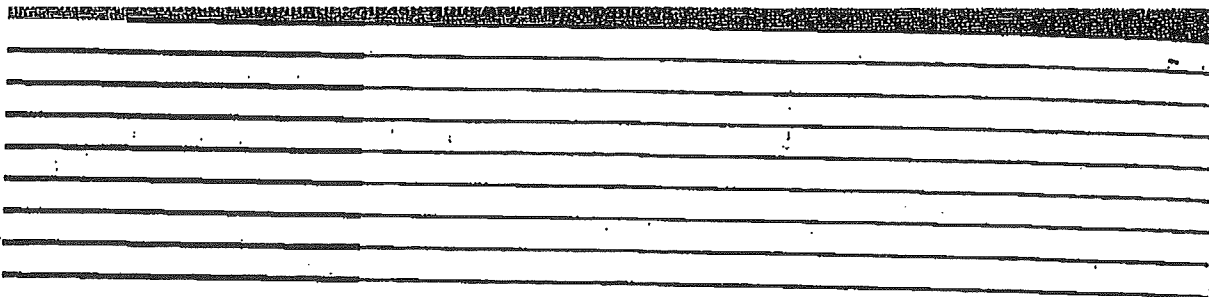
10 Step Air-Brake Check	Tues.
1. Air Chambers, Air lines	
2. Check Drums/Disc, Shoes/Pads	
3. Test Low Air-Pressure Warning	
4. Automatic Spring Brake Set	
5. Rate of Air-Pressure Build up	
6. Test Air Leakage Rate	
7. Check Air-Compressor Governor	
Cut In/Out	

	Mon.	Thurs.
Hydraulic Generator	✓	✓
Portable Generator	✓	✓
Fan's 1 and 2	✓	✓
Circular Saw/Blades	✓	✓
Chain Saw/Inspect Chain	✓	✓
Power plant-Rescue Tool	✓	✓
Spreaders Cutters	✓	✓
Short ram Long Ram	✓	✓
Inspect Saws-all	✓	✓
Refuel as Needed	✓	✓
Check Maint. Tag	✓	✓
Inspect Ladders/Halyards/Locks/etc.		✓

Perform Weekly SCBA Inspections
(See Weekly SCBA Inspection Sheet)
Date: 2-25-11 Initials: D.B.
Date: Initials: N/A

Low Air Alarm when started 2/27/11 Gen

Weekly Activity Inspection Report	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Stabilizer System			✓				
Hydraulic Reservoir Level			✓				
Hydraulic Leaks			✓				
Functional Graphic Display Panel			✓				
R / L Mid-Ship Stabilizers			✓				
Auxiliary Ground Pads			✓				
Rear Jacks			✓				
Front Cab Jacks			✓				
Stabilizer Interlock Graphic Display			✓				
Audible Warning System			✓				
Aux. Hydraulic Pump			✓				
Hydraulic Transfer / Upper Power			✓				
Emergency Hydraulic Pump/Controls			✓				
Turn Table Controls			✓				
Breathing Air System Pressure			✓				
Raise / Lower			✓				
Extend / Retract			✓				
360 R / L Full Rotation @ 80 degrees			✓				
Functional Graphic Display Panel			✓				
Boom lights - Alarm Test - Ladder Lights			✓				
PA / PPT Mike			✓				
Turn Table Flood Lights			✓				
Bucket Control Switch			✓				
Safety Override Switch's			✓				
Manual Hydraulic Override Controls			✓				
Pedestal Hydraulic Lines, Any Leaks			✓				
Safety Lines			✓				
Smart Boom Warning System			✓				
Stabilizer Interlock Override			✓				
Rotational Interlock System			✓				
Emergency Hydraulic Controls			✓				
Platform Controls			✓				
Functional Graphic Display Panel			✓				
Bucket Control Power			✓				
High Range / Creep Mode			✓				
Raise / Lower			✓				
Extend / Retract			✓				
Rotation R / L			✓				
Self Levelling System/Emg. Stop/Disable			✓				
Levelling System Override			✓				
Hyd. Reservoir for Levelling System			✓				
Spot / Flood Lights / Ladder Lights			✓				
Panel Light, Alarm Silence			✓				
Manual and Remote Nozzle Controls			✓				
Master Streams, Aux. Discharges			✓				
Water Control Valves			✓				
Platform Folding Egress Ladder			✓				
Stokes Basket Arms, Lifting Eyes			✓				
Breathing Air Gauge and Hook Ups			✓				
Access/Egress Doors			✓				
Hand Tools / Holders			✓				
Visual Inspection of Ladder Tower Structure Components			✓				
5 Ladder Sections, Slide Block Paths			✓				
Aerial Extension / Retraction Cylinders			✓				
Water Way Tubes			✓				
Turn Table Hydraulic Lines			✓				
Sheaves and Cables			✓				
Cable Track / Wiring Harness			✓				
Bucket Hydraulic Lines			✓				
Bucket Levelling Cylinders			✓				



Daily Vehicle Check: Ladder 151

Revised: 11/01/2011

Month/Year: _____

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th	8030	8044		8054	8093	8093	8093
Engine Hrs: 1st and 15th	788	788		789	794	795	795
Aerial Hours 1st and 15th	268.4				268.9		268.9
Generator Hours 1st and 15th							
Fuel Level: Capacity: 65 gallons	7/8	7/8		Full	3/4		Full
Mechanical/Engine/Panel/Exhaust/Other							
Warning Lights, Buzzers, etc.	✓	✓		✓	✓	✓	✓
Gauges & Instruments	✓	✓		✓	✓	✓	✓
Oil/Air Pressure	✓	✓		✓	✓	✓	✓
Oil/Transmission Temp.	✓	✓		✓	✓	✓	✓
Coolant Temp.	✓	✓		✓	✓	✓	✓
Electrical: Volts/Amps	✓	✓		✓	✓	✓	✓
Radio/Headsets/Cell Phone/Tag	✓	✓		✓	✓	✓	✓
Clipboard/Paperwork/Maps/Passport	✓	✓		✓	✓	✓	✓
Safety Vest/Briech/Chin Strap	✓	✓		✓	✓	✓	✓
Survivor Flashlights	✓	✓		✓	✓	✓	✓
Supra Key / PAB Detector	✓	✓		✓	✓	✓	✓
Thermal Camera (TIC) Batteries	✓	✓		✓	✓	✓	✓
Mechanical/Engine/Panel/Exhaust/Other							
Lights: Running/warning/scene	✓	✓		✓	✓	✓	✓
Code 3 Equipment	✓	✓		✓	✓	✓	✓
Tires / Wheels	✓	✓		✓	✓	✓	✓
10 Step Air Brake Check (see back)							
Detailed Aerial Check (see pg. 3)				✓			
Aerial PTO - #1	✓	✓		✓	✓	✓	✓
Hydraulic Generator PTO - #2	✓	✓		✓	✓	✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)	✓			✓			
Water Tank Level 300 gallons	✓	Full		✓	✓	✓	1500
Foam tank Level 30 gallons	✓	✓		✓	✓	✓	1000
Daily Pump Check	✓	✓		✓	✓	✓	✓
Detailed Pump Check (see pg. 2)							✓
PAB Equipment							
Jump Bags (Airway/Trauma/Peds)	✓	✓		✓		✓	✓
O2 Level	1500	1500		1500		1500	1000
ECG Monitor	✓	✓		✓		✓	✓
CEP Drug Box / RSI Drug Box	✓	✓		✓		✓	✓
Suction Unit	✓	✓		✓		✓	✓
Miscellaneous Supplies	✓	✓		✓		✓	✓
Drinking Water	✓	✓		✓		✓	✓
PPE Equipment							
Hand Tools/Wild Land/Tools	✓	✓		✓	✓	✓	✓
Engineers Headset/Flashlights	✓	✓		✓	✓	✓	✓
Portable Extinguishers (ABC/PW)	✓	✓		✓	✓	✓	✓
Power Tools / Fuel Cans	✓	✓		✓	✓	✓	✓
Run Power Tools (see back)		✓			✓		
Tool Bag/Tools/Smaller	✓	✓		✓	✓	✓	✓
Shore Box/Pole, Box, GPR	✓	✓		✓	✓	✓	✓
Foam Containers/Eductor	✓	✓		✓	✓	✓	✓
SCBA/Spare Air Bottles	✓	✓		✓	11+1	✓	11+1
Weekly SCBA Inspection (see pg. 2)						✓	
Run Bag / Safety Ropes	✓	✓		✓	✓	✓	✓
Air/Gas Monitor (check charge on Fri.)	✓	✓			✓		✓

FIRE EQUIPMENT INSPECTIONS

Safety Equipment: Cones, Flares	✓	✓		✓	✓	✓	✓
Wheel Chocks	✓	✓		✓	✓	✓	✓
Ladders	✓	✓		✓	✓	✓	✓
Portable Monitor w/ chains	✓	✓		✓	✓	✓	✓

SCBA INSPECTIONS

	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain		4400		4100	4100	*4000	4100
SCBA 2 Engineer		4100		4100	4100	*4000	4100
SCBA 3 FF #1		4000		4400	4100	*4000	4100
SCBA 4 FF #2		4100		4200	4100	*4000	4100
RIC BAG							

SPARE AIR BOMBS

Spare 1	4200	4500	4500	4500	4200	*4100	4300
Spare 2	4400	4500	4400	4400	4400	*4400	4400
Spare 3	4400	4500	4400	4400	4300	*4300	4300
Spare 4	4400	4500	4400	4400	4400	*4400	4400
Spare 5	4500	4500	4500	4500	4500	*4500	4500
Spare 6	4500	4500	4500	4500	4500	*4500	4500

POSSIBLE LEAK
1 UNIT

OUT TO SHOP REPAIR

WEEKLY INSPECTIONS

	Sun.	Wed.
Check Fluids	03/04	
Engine Oil	✓	✓
Transmission	✓	✓
Coolant	✓	✓
Brake/Air Pressure	✓	✓
Power Steering	✓	✓
Wiper Fluid	✓	✓
Check Battery/Battery	✓	✓
Check Belts/Hoses	✓	✓
Check Breather Valve/Transmission	✓	✓
Check Front Brakes & Lines	✓	✓
Check Rear Brakes and Lines	✓	✓
Ck Suspension/Steering Components	✓	✓
Check Drive Line	✓	✓
Check for any Fluid Leaks/Note	✓	✓
Check Front/Rear Tire Wear/Tread	✓	✓

10 Step Air-Brake Check

Tues.

1. Air Chambers, Air lines
2. Check Drums/Disc, Shoes/Pads
3. Test Low Air-Pressure Warning
4. Automatic Spring Brake Set
5. Rate of Air-Pressure Build up
6. Test Air Leakage Rate
7. Check Air-Compressor Governor Cut In/Out

Check Tire Pressures	LF 120	RF 120	LF 122	RF 122
All at 120	O-LR 120	O-RR 120	O-LR 122	O-RR 122
O = Outside	I-LR 120	I-RR 120	I-LR 122	I-RR 122
I = Inside	O-LR 126	O-RR 126	O-LR 126	O-RR 126
	I-LR 126	I-RR 126	I-LR 126	I-RR 126

Check gauges:	Date	Sat.
Engine RPM	✓	✓
Temperature	✓	✓
Fuel	✓	✓
Check Pump Volt/Amps	✓	✓
Inspect/Operate Drain Valves	✓	✓
Inspected all Intakes/Discharges	✓	✓
Check Priming Pump Operation	✓	✓
Check Proper Operation of Relief Valve	✓	✓
Flush & Drain Discharges	✓	✓
1st Sat. of month Flush and Refill Tank	✓	✓
Foam System Operational Check	✓	✓

	Mon.	Thurs.
Hydraulic Generator	✓	✓
Portable Generator	✓	✓
Fan's 1 and 2	✓	✓
Circular Saw/Blades	✓	✓
Chain Saw/Inspect Chain	✓	✓
Power plant-Rescue Tool	✓	✓
Spreaders Cutters	✓	✓
Short ram Long Ram	✓	✓
Inspect Saws-all	✓	✓
Refuel as Needed	✓	✓
Check Maint. Tag	✓	✓
Inspect Ladders/Halyards/Locks/etc.	✓	✓

Perform Weekly SCBA Inspections

(See Weekly SCBA Inspection Sheet)

Date: 3/1/12 Initials: BL

Date: Initials:

Weekly Aerial Inspection Chart							
Stabilizer System - Daily	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level				✓			
Hydraulic Leaks				✓			
Functional Graphic Display Panel				✓			
R / L Mid-Ship Stabilizers				✓			
Auxiliary Ground Pads				✓			
Rear Jacks				✓			
Front Cab Jacks				✓			
Stabilizer Interlock Graphic Display				✓			
Audible Warning System				✓			
Aux. Hydraulic Pump				✓			
Hydraulic Transfer / Upper Power				✓			
Emergency Hydraulic Pump/Controls							
Boom and Controls							
Breathing Air System Pressure				4460			
Raise / Lower				✓			
Extend / Retract				✓			
360 R / L Full Rotation @ 80 degrees				✓			
Functional Graphic Display Panel				✓			
Boom Lights - Alarm Test - Ladder Lights				✓			
PA / PPT Mike				✓			
Turn Table Flood Lights				✓			
Bucket Control Switch				✓			
Safety Override Switch's				✓			
Manual Hydraulic Override Controls							
Pedestal Hydraulic Lines, Any Leaks				✓			
Safety Lines				✓			
Smart Boom Warning System							
Stabilizer Interlock Override							
Rotational Interlock System							
Emergency Hydraulic Controls							
Bucket Controls - Daily							
Functional Graphic Display Panel				✓			
Bucket Control Power				✓			
High Range / Creep Mode				✓			
Raise / Lower				✓			
Extend / Retract				✓			
Rotation R / L				✓			
Self Leveling System/Emg. Stop/Disable				✓			
Leveling System Override							
Hyd. Reservoir for Leveling System				✓			
Spot / Flood Lights / Ladder Lights				✓			
Panel Light, Alarm Silence				✓			
Manual and Remote Nozzle Controls				✓			
Master Streams, Aux. Discharges				✓			
Water Control Valves				✓			
Platform Folding Egress Ladder				✓			
Stokes Basket Arms, Lifting Eyes				✓			
Breathing Air Gauge and Hook Ups				✓			
Access/Egress Doors				✓			
Hand Tools / Holders				✓			
Aerial Extension and Retraction							
5 Ladder Sections, Slide Block Paths							
Aerial Extension / Retraction Cylinders							
Water Way Tubes							
Turn Table Hydraulic Lines							
Sheaves and Cables							
Cable Track / Wiring Harness							
Bucket Hydraulic Lines							
Bucket Leveling Cylinders							

Missing or Damaged - government: 2 pages have been discarded

[illegible]

Daily Vehicle Check: Ladder 151

Revised: 11/01/2011

Month/Year: _____

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th	8142	8187					8287
Engine Hrs: 1st and 15th	804	809					825
Aerial Hours 1st and 15th							282.5
Generator Hours 1st and 15th							
Fuel Level: Capacity: 65 gallons		42.4					1/4 *
Cab Controls/Instrument Panel/Equipment							
Warning Lights, Buzzers, etc.	✓	✓					✓
Gauges & Instruments	✓	✓					✓
Air Pressure	✓	✓					10/10
Oil/Transmission Temp.	✓	✓					✓
Coolant Temp.	✓	✓					✓
Electrical: Volts/Amps	✓	✓					✓
Radios/Headsets/Cell Phone/Pager	✓	✓					✓
Clipboard/Paperwork/Maps/Passport	✓	✓					✓
Safety Vest/Brush Shirts/Fire Shelter	✓	✓					✓
Survivor Flashlights	✓ 4	✓					✓ x4
Supra Key / RAD Detector	✓	✓					✓
Thermal Camera (TIC) Batteries	✓	✓					✓
Mechanical/Electrical							
Lights: Running/warning/scene	✓	✓					✓
Code 3 Equipment	✓	✓					✓
Tires / Wheels	✓	✓					✓
10 Step Air Brake Check (see back)							
Detailed Aerial Check (see pg. 3)							
Aerial PTO - #1	✓	✓					✓
Hydraulic Generator PTO - #2	✓	✓					✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)							
Water Tank Level 300 gallons	✓ Full	F					F
Foam tank Level 30 gallons	✓ Full	F					F
Daily Pump Check	✓	✓					✓
Detailed Pump Check (see pg. 2)							✓
FMS Equipment							
Jump Bags(Airway/Trauma/Peds)	✓	✓					✓
O2 Level	100%	✓ 200					
ECG Monitor	✓	New w/ 200					INBC OFFICE
CEP Drug Box / RSI Drug Box	✓	✓					INBC OFFICE
Suction Unit	✓	✓					✓
Miscellaneous Supplies	✓	✓					✓
Drinking Water	✓	✓					✓
FIRE Equipment							
Hand Tools/Wild Land/Appliances	✓	✓					✓
Engineers Headset/Flashlights	✓	✓					✓
Portable Extinguishers(ABC/PW)	✓	✓					✓
Power Tools / Fuel Cans	✓	✓					✓
Run Power Tools (see back)		✓					
Tool Bag/Tools/Blowgun	✓	✓					✓
Snake Box/Pole	✓	✓					✓
Foam Cannisters/Eductor	✓	✓					✓
SCBA/Spare Air Bottles	✓	✓					✓
Weekly SCBA Inspection (see pg. 2)							
Rope / Safety Ropes	✓	✓					✓
Air/Gas Monitor (check charge on Fri.)	✓	✓					✓

PPE Equipment/Consumables							
Safety Equipment: Cones, Flares	✓	✓					✓
Wheel Chocks	✓	✓					✓
Ladders	✓	✓					✓
Portable Monitor w/ chains	✓	✓					✓

DAILY INSPECTIONS - 20 minutes

SCBA	Operator	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1	Captain	4400	40+				*	4500
SCBA 2	Engineer	4400	X				*	4500
SCBA 3	FF #1	4500					*	4500
SCBA 4	FF #2	4200	4				*	4500
RIC BAG							*	

Vehicle Condition

Spare Air Bottles

Spare 1	4400	40+				*	4500
Spare 2	4500	X				*	4500
Spare 3	4400					*	4000
Spare 4	4500					*	4500
Spare 5	4100					*	4500
Spare 6	4000						W/ OARS BOTTLE REMOVED

WEEKLY INSPECTIONS

CAR/HAUL TRUCK CHECK MECHANICAL

Check Fluids	Dates	Sun.	Wed.	Tues.
Engine Oil				
Transmission				
Coolant				
Brake/Air Pressure				
Power Steering				
Wiper Fluid				
Check Battery/Battery				
Check Belts/Hoses				
Check Breather Valve/Transmission				
Check Front Brakes & Lines				
Check Rear Brakes and Lines				
Check Suspension/Steering Components				
Check Drive Line				
Check for any Fluid Leaks/Note				
Check Front/Rear Tire Wear/Tread				

Check Tire Pressures	LF	RF	LF	RF
All at 120				
O = Outside				
I = Inside				
2nd Axle	O-LR	O-RR	O-LR	O-RR
	I-LR	I-RR	I-LR	I-RR
3rd Axle	O-LR	O-RR	O-LR	O-RR
	I-LR	I-RR	I-LR	I-RR

Detailed Equipment Check

Check gauges:	Date	Sat.
Engine RPM		✓
Temperature		✓
Fuel		✓
Check Pump Volt/Amps		✓
Inspect/Operate Drain Valves		✓
Inspected all Intakes/Discharges		✓
Check Priming Pump Operation		✓
Check Proper Operation of Relief Valve		✓
Flush & Drain Discharges		✓
1st Sat. of month Flush and Refill Tank		✓
Foam System Operational Check		✓

10 Step Air-Brake Check

Tues.
1. Air Chambers, Air lines
2. Check Drums/Disc, Shoes/Pads
3. Test Low Air-Pressure Warning
4. Automatic Spring Brake Set
5. Rate of Air-Pressure Build up
6. Test Air Leakage Rate
7. Check Air-Compressor Governor Cut In/Out

	Mon.	Thurs.
Hydraulic Generator	✓	
Portable Generator	✓	
Fan's) 1 and 2	✓	
Circular Saw/Blades	✓	
Chain Saw/Inspect Chain	✓	
Power plant-Rescue Tool	✓	
Spreaders Cutters	✓	
Short ram Long Ram	✓	
Inspect Saws-all	✓	
Refuel as Needed	✓	
Check Maint. Tag	✓	
		Thurs.
Inspect Ladders/Halyards/Locks/etc.		

Perform Weekly SCBA Inspections

(See Weekly SCBA Inspection Sheet)
Date: Initials:
Date: Initials:

Weekly / Aerial Inspection Checklist							
Stabilization System - Dates	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level							
Hydraulic Leaks							
Functional Graphic Display Panel							
R / L Mid-Ship Stabilizers							
Auxiliary Ground Pads							
Rear Jacks							
Front Cab Jacks							
Stabilizer Interlock Graphic Display							
Audible Warning System							
Aux. Hydraulic Pump							
Hydraulic Transfer / Upper Power							
Emergency Hydraulic Pump/Controls							
Turn Table and Booms							
Breathing Air System Pressure							
Raise / Lower							
Extend / Retract							
360 R / L Full Rotation @ 80 degrees							
Functional Graphic Display Panel							
Boom Lights - Alarm Test - Ladder Lights							
PA / PPT Mike							
Turn Table Flood Lights							
Bucket Control Switch							
Safety Override Switch's							
Manual Hydraulic Override Controls							
Pedestal Hydraulic Lines, Any Leaks							
Safety Lines							
Smart Boom Warning System							
Stabilizer Interlock Override							
Rotational Interlock System							
Emergency Hydraulic Controls							
Platform - Controls Etc.							
Functional Graphic Display Panel							
Bucket Control Power							
High Range / Creep Mode							
Raise / Lower							
Extend / Retract							
Rotation R / L							
Self Leveling System/Emg. Stop/Disable							
Leveling System Override							
Hyd. Reservoir for Leveling System							
Spot / Flood Lights / Ladder Lights							
Panel Light, Alarm Silence							
Manual and Remote Nozzle Controls							
Master Streams, Aux. Discharges							
Water Control Valves							
Platform Folding Egress Ladder							
Stokes Basket Arms, Lifting Eyes							
Breathing Air Gauge and Hook Ups							
Access/Egress Doors							
Hand Tools / Holders							
Visual Inspections / Ladder Down							
5 Ladder Sections, Slide Block Paths							
Aerial Extension / Retraction Cylinders							
Water Way Tubes							
Turn Table Hydraulic Lines							
Sheaves and Cables							
Cable Track / Wiring Harness							
Bucket Hydraulic Lines							
Bucket Leveling Cylinders							

Missing or Damaged Element: Major Navy Disruption

[illegible]

Daily Vehicle Check: Tower 151

Revised: 9/12/2010

Month/Year: March 11

Shop #: 3140

Dates: Sun. Mon. Tues. Wed. Thurs. Fri. Sat.

Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th	6631	6632			6681	6697	6697
Engine Hrs: 1st and 15th	576	576			578	578	578
Aerial Hours 1st and 15th					213.3		213.3
Generator Hours 1st and 15th							
Fuel Level: Capacity: 65 gallons	Full	F			Full	7/8	1/8
Cab/Controls/Instrumentation							
Warning Lights, Buzzers, etc.	✓	✓			✓	✓	✓
Gauges & Instruments	✓	✓			✓	✓	✓
Oil/Air Pressure *	✓	✓			✓	✓	✓
Oil/Transmission Temp.	✓	✓			✓	✓	✓
Coolant Temp.	✓	✓			✓	✓	✓
Electrical: Volts/Amps	✓	✓			✓	✓	✓
Radios/Headsets/Cell Phone/Pager	✓	✓			✓	✓	✓
Clipboard/Paperwork/Maps/Passport	✓	✓			✓	✓	✓
Safety Vests/Seat Belts/Child Seats	✓	✓			✓	✓	✓
Survivor Flashlights <u>SWIFT WHITE</u>	✓	✓			✓	✓	✓
Supra Key / RAD Detector	✓	✓			✓	✓	✓
Thermal Camera (TIC) Batteries	✓	✓			✓	✓	✓
Mechanical/Exterior							
Lights: Running/warning/scene	✓	✓			✓	✓	✓
Code 3 Equipment	✓	✓			✓	✓	✓
Tires / Wheels	✓	✓			✓	✓	✓
10 Step Air Brake Check (see back)							
Detailed Aerial Check (see pg. 3)							
Aerial PTO - #1	✓	✓			✓	✓	✓
Hydraulic Generator PTO - #2	✓	✓			✓	✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)	✓						
Water Tank Level 300 gallons	✓	F			Full	F	Full
Foam tank Level 30 gallons	✓	F			Full	F	Full
Daily Pump Check	✓	✓			OK	✓	✓
Detailed Pump Check (see pg. 2)							✓
EMS Equipment							
Jump Bags (Airway/Trauma/Peds)	✓	✓			✓	✓	✓
O2 Level	1700	1600			2000	1700	2000
ECG Monitor	✓	✓			✓	✓	✓
CEP Drug Box / RSI Drug Box	✓	✓			✓	✓	✓
Suction Unit	✓	✓			✓	✓	✓
Miscellaneous Supplies	✓	✓			✓	✓	✓
Drinking Water	✓	✓			✓	✓	✓
FIRE Equipment							
Hand Tools/Wild Land/Appliances	✓	✓			✓	✓	✓
Engineers Headset/Flashlights	✓	✓			✓	✓	✓
Portable Extinguishers (ABC/PW)	✓	✓			✓	✓	✓
Power Tools / Fuel Cans	✓	✓			✓	✓	✓
Run Power Tools (see back)		✓			✓		
Tool Bag/Tools/Slim Jim	✓	✓			✓	✓	✓
Snake Box/Pole	✓	✓			✓	✓	✓
Foam containers/Eductor	✓	✓			✓	✓	✓
SCBA/Spare Air Bottles	✓	✓			✓	✓	✓
Weekly SCBA Inspection (see pg. 2)						✓	
RIT Bag / Safety Ropes	✓	✓			✓	✓	✓

AIR - 50

* DRUG BOX
* KEYS MISSING

PPE Equipment Continued							
Safety Equipment: Cones, Flares	✓	✓		✓	✓	✓	✓
Wheel Chocks	✓	✓		✓	✓	✓	✓
Ladders	2.5	✓		✓	✓	✓	✓
Portable Monitor w/ chains	✓				✓		✓

PAV Inspection Continued

SCBA Check	Unit	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1	Captain	4500	4500		4500	4500	* 4500	45
SCBA 2	Engineer	4500	4500		4500	4500	* 4500	45
SCBA 3	FF #1	4500	4500		4500	4500	* 4500	45
SCBA 4	FF #2	4500	4500		4500	4500	* 4500	45
RIC BAG							*	

Vehicle Maintenance

Spare Air Tanks	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Spare 1	4500	4500		4500	4500	* 4500	45
Spare 2	4500	4500		4500	4500	* 4500	45
Spare 3	4500	4500		4500	4500	* 4500	45
Spare 4	4500	4500		4500	4500	* 4500	45
Spare 5	4500	4500		4500	4500	* 4500	45
Spare 6	4500	4500		4500	4500	* 4500	45

WEEKLY INSPECTIONS

Oil/Fluids/Leaks/Wash/Wax	Sun.	Wed.	Thurs.
Check Fluids		✓	
Engine Oil		✓	
Transmission		✓	
Coolant		✓	
Brake/Air Pressure		✓	
Power Steering		✓	
Wiper Fluid		✓	
Check Battery/Battery		✓	
Check Belts/Hoses		✓	
Check Breather Valve/Transmission		✓	
Check Front Brakes & Lines		✓	
Check Rear Brakes and Lines		✓	
Ck Suspension/Steering Components		✓	
Check Drive Line		✓	
Check for any Fluid Leaks/Note		✓	
Check Front/Rear Tire Wear/Tread		✓	

Check Tire Pressures	LF 120	RF 122	LF	RF
All at 120				
2nd Axle	O-LR 120	O-RR 122	O-LR	O-RR
O = Outside	I-LR 120	I-RR 122	I-LR	I-RR
I = Inside				
3rd Axle	O-LR 120	O-RR 120	O-LR	O-RR
	I-LR 120	I-RR 120	I-LR	I-RR

Portable Equipment

Check gauges:	Date	Sat.
Engine RPM	✓	✓
Temperature	✓	✓
Fuel	✓	✓
Check Pump Volt/Amps	✓	✓
Inspect/Operate Drain Valves	✓	✓
Inspected all Intakes/Discharges	✓	✓
Check Priming Pump Operation	✓	✓
Check Proper Operation of Relief Valve	✓	✓
Flush & Drain Discharges	✓	✓
1st Sat. of month Flush and Refill Tank	✓	✓
Foam System Operational Check	✓	✓

10 Step Air-Brake Check

1. Air Chambers, Air lines	Tues.
2. Check Drums/Disc, Shoes/Pads	
3. Test Low Air-Pressure Warning	
4. Automatic Spring Brake Set	
5. Rate of Air-Pressure Build up	
6. Test Air Leakage Rate	
7. Check Air-Compressor Governor	
Cut In/Out	

	Mon.	Thurs.
Hydraulic Generator	✓	✓
Portable Generator	✓	✓
Fan's 1 and 2	✓	✓
Circular Saw/Blades	✓	✓
Chain Saw/Inspect Chain	✓	✓
Power plant-Rescue Tool	✓	✓
Spreaders Cutters		✓
Short ram Long Ram INSPECT SAWS	✓	✓
Inspect Saws all	✓	✓
Refuel as Needed	✓	
Check Maint. Tag		
		Thurs.
Inspect Ladders/Halyards/Locks/etc.		

Perform Weekly SCBA Inspections

(See Weekly SCBA Inspection Sheet)	
Date: 3/18	Initials: DJ
Date:	Initials:

Weekly Aerial Inspection Check							
Stabilization System - Daily	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level				✓			
Hydraulic Leaks				✓			
Functional Graphic Display Panel				✓			
R / L Mid-Ship Stabilizers				✓			
Auxiliary Ground Pads				✓			
Rear Jacks				✓			
Front Cab Jacks				✓			
Stabilizer Interlock Graphic Display				✓			
Audible Warning System				✓			
Aux. Hydraulic Pump				✓			
Hydraulic Transfer / Upper Power				✓			
Emergency Hydraulic Pump/Controls				✓			
Boom - Daily							
Breathing Air System Pressure				4800			
Raise / Lower				✓			
Extend / Retract				✓			
360 R / L Full Rotation @ 80 degrees				✓			
Functional Graphic Display Panel				✓			
Boom lights - Alarm Test - Ladder Lights				✓			
PA / PPT Mike				✓			
Turn Table Flood Lights				✓			
Bucket Control Switch				✓			
Safety Override Switch's				✓			
Manual Hydraulic Override Controls				✓			
Pedestal Hydraulic Lines, Any Leaks				✓			
Safety Lines				✓			
Smart Boom Warning System				✓			
Stabilizer Interlock Override				✓			
Rotational Interlock System				✓			
Emergency Hydraulic Controls				✓			
Platform - Controls - Daily							
Functional Graphic Display Panel				✓			
Bucket Control Power				✓			
High Range / Creep Mode				✓			
Raise / Lower				✓			
Extend / Retract				✓			
Rotation R / L				✓			
Self Levelling System/Emg. Stop/Disable				✓			
Levelling System Override				✓			
Hyd. Reservoir for Levelling System				F			
Spot / Flood Lights / Ladder Lights				✓			
Panel Light, Alarm Silence				✓			
Manual and Remote Nozzle Controls				✓			
Master Streams, Aux. Discharges				✓			
Water Control Valves				✓			
Platform Folding Egress Ladder				✓			
Stokes Basket Arms, Lifting Eyes				✓			
Breathing Air Gauge and Hook Ups				✓			
Access/Egress Doors				✓			
Hand Tools / Holders				✓			
Visual Inspection - Daily							
5 Ladder Sections, Slide Block Paths				✓			
Aerial Extension / Retraction Cylinders				✓			
Water Way Tubes				✓			
Turn Table Hydraulic Lines				✓			
Sheaves and Cables				✓			
Cable Track / Wiring Harness				✓			
Bucket Hydraulic Lines				✓			
Bucket Levelling Cylinders				✓			

Mining of Damaged Equipment - Please Do

[illegible]

Daily Vehicle Check: Tower 151

Revised: 4/4/2010

Month/Year: 03-2011

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage:	1st and 15th	6715	6714	6714	6714		6736
Engine Hrs:	1st and 15th	579	579	580			581
Aerial Hours	1st and 15th	243.4	242.4				
Generator Hours	1st and 15th						
Fuel Level: Capacity: 65 gallons		78	78-	F	F		78-
Cab/Control/Instrumentation/Equipment							
Warning Lights, Buzzers, etc.	✓	✓	✓	✓			✓
Gauges & Instruments	✓	✓	✓	✓			✓
Oil/Air Pressure	✓	✓*	✓	✓			✓
Oil/Transmission Temp.	✓	✓	✓	✓			OK
Coolant Temp.	✓	✓	✓	✓			✓
Electrical: Volts/Amps	✓	✓	✓	✓			✓
Radios/Headsets/Cell Phone/Pager	✓	✓	✓	✓			✓
Clipboard/Paperwork/Maps/Passport	✓	✓	✓	✓			✓
Safety Vest/Brush Shirts/Fire Shelter	✓	✓	✓	✓			✓
Survivor Flashlights	✓	✓	✓	✓			✓
Supra Key / RAD Detector	✓	✓	✓	✓			✓
Thermal Camera (TIC) Batteries	✓	✓	✓	✓			✓
Mechanical/Technical							
Lights: Running/warning/scene	✓	✓	✓	✓			✓
Code 3 Equipment	✓	✓	✓	✓			✓
Tires / Wheels	✓	✓	✓	✓			✓
10 Step Air Brake Check (see back)			✓				
Detailed Aerial Check (see pg. 3)			✓				
Aerial PTO - #1	✓	✓	✓	✓			
Hydraulic Generator PTO - #2	✓	✓	✓	✓			✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)	✓	✓	✓	✓			
Water Tank Level 300 gallons	✓	✓	✓	✓			F
Foam tank Level 30 gallons	✓	✓	✓	✓			F
Daily Pump Check	✓	✓	✓	✓			Full
Detailed Pump Check (see pg. 2)							✓
EMS Equipment							
Jump Bags (Airway/Trauma/Peds)	✓	✓	✓	✓			
O2 Level	1800	1800		1600			1600
ECG Monitor (Weekly Detail Check)	✓	✓	✓	✓			✓
CEP Drug Box / RSI Drug Box	✓	✓	✓	✓			✓
Suction Unit	✓	✓	✓	✓			✓
Miscellaneous Supplies	✓	✓	✓	✓			✓
Drinking Water	✓	✓	✓	✓			✓
Fire Equipment							
Hand Tools/Wild Land/Appliances	✓	✓	✓	✓			✓
Engineers Headset/Flashlights	✓	✓	✓	✓			✓
Portable Extinguishers (ABC/PW)	✓	✓	✓	✓			✓
Power Tools / Fuel Cans	✓	✓	✓	✓			✓
Run Power Tools (see back)	✓	✓	✓	✓			✓
Tool Bag/Tools/Slit Jim	✓	✓	✓	✓			✓
Snake Box/Pole	✓	✓	✓	✓			✓
Foam containers/Eductor	✓	✓	✓	✓			✓
SCBA/Spare Air Bottles	✓	✓	✓	✓			✓
Weekly SCBA Inspection (see pg. 2)	✓	✓	✓	✓			✓
RIT Bag / Safety Ropes	✓	✓	✓	✓			✓
Air/Gas Monitor (check charges on Fri.)	✓	✓	✓	✓			✓

Equipment Continued							
Safety Equipment: Cones, Flares	✓	✓	✓	✓			✓
Wheel Chocks	✓	✓	✓	✓			✓
Ladders	✓	✓	✓	✓			✓
Portable Monitor w/ chains	-	-	✓				✓

DAILY INSPECTIONS CONTINUED

SCBA Check	Dates	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain		4500	4500	4500	4500		*	
SCBA 2 Engineer		4500	4500		4500		*	
SCBA 3 FF #1		4500	4500		4000		*	
SCBA 4 FF #2		4500	4500		4500		*	
RIC BAG							*	
Notes		4	4	10	4			

Spare	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Spare 1	4500	4500	4500	4500		*	45
Spare 2	4500	4500		4500		*	45
Spare 3	4500	4500		4500		*	45
Spare 4	4500	4500		4500		*	45
Spare 5	4500	4500		4500		*	45
Spare 6	4500	4500		4500		*	45

WEEKLY INSPECTIONS

Check	Dates	Sun.	Wed.	Tues.
Check Fluids	3/20	3/23		
Engine Oil		✓	✓	
Transmission		✓	✓	
Coolant		✓	✓	
Brake/Air Pressure		✓	✓	
Power Steering		✓	✓	
Wiper Fluid		✓	✓	
Check Battery/Battery		✓	✓	
Check Belts/Hoses		✓	✓	
Check Breather Valve/Transmission		✓	✓	
Check Front Brakes & Lines		✓	✓	
Check Rear Brakes and Lines		✓	✓	
Check Suspension/Steering Components		✓	✓	
Check Drive Line		✓	✓	
Check for any Fluid Leaks/Note		✓	✓	
Check Front/Rear Tire Wear/Tread		✓	✓	

10 Step Air-Brake Check	Tues.
1. Air Chambers, Air Lines	✓
2. Check Drums/Disc, Shoes/Pads	✓
3. Test Low Air-Pressure Warning	✓
4. Automatic Spring Brake Set	✓
5. Rate of Air-Pressure Build up	✓
6. Test Air Leakage Rate	✓
7. Check Air-Compressor Governor Cut In/Out	✓

Check Tire Pressures	LF 120	RF 120	LF 120	RF 120
All at 120				
2nd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120
O = Outside	I-LR 120	I-RR 120	I-LR 120	I-RR 120
I = Inside	3rd Axle	O-LR 120	O-RR 120	O-LR 120
	I-LR 120	I-RR 120	I-LR 120	I-RR 120

Check gauges:	Date	Sat.
Engine RPM		✓
Temperature		✓
Fuel		✓
Check Pump Volt/Amps		✓
Inspect/Operate Drain Valves		✓
Inspected all Intakes/Discharges		✓
Check Priming Pump Operation		✓
Check Proper Operation of Relief Valve		✓
Flush & Drain Discharges		✓
1st Sat. of month Flush and Refill Tank		✓
Foam System Operational Check		✓

	Mon.	Thurs.
Hydraulic Generator	-	
Portable Generator	✓	
Fan's 1 and 2	✓	
Circular Saw/Blades	✓	
Chain Saw/Inspect Chain	✓	
Power plant-Rescue Tool	✓	
Spreaders Cutters	-	✓
Short ram Long Ram	-	-
Inspect Saws-all	-	
Refuel as Needed	✓	
Check Maint. Tag		
Inspect Ladders/Halyards/Locks/etc.		Thurs.

Perform Weekly SCBA Inspections
(See Weekly SCBA Inspection Sheet)
Date: Initials:
Date: Initials:

Weekly Visual Inspection Check							
Stabilization System - Day 3	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level							
Hydraulic Leaks							
Functional Graphic Display Panel							
R / L Mid-Ship Stabilizers							
Auxiliary Ground Pads							
Rear Jacks							
Front Cab Jacks							
Stabilizer Interlock Graphic Display							
Audible Warning System							
Aux. Hydraulic Pump							
Hydraulic Transfer / Upper Power							
Emergency Hydraulic Pump/Controls							
Turn Table and Controls							
Breathing Air System Pressure							
Raise / Lower							
Extend / Retract							
360 R / L Full Rotation @ 80 degrees							
Functional Graphic Display Panel							
Boom Lights - Alarm Test - Ladder Lights							
PA / PPT Mike							
Turn Table Flood Lights							
Bucket Control Switch							
Safety Override Switch's							
Manual Hydraulic Override Controls							
Pedestal Hydraulic Lines, Any Leaks							
Safety Lines							
Smart Boom Warning System							
Stabilizer Interlock Override							
Rotational Interlock System							
Emergency Hydraulic Controls							
Platform Controls							
Functional Graphic Display Panel							
Bucket Control Power							
High Range / Creep Mode							
Raise / Lower							
Extend / Retract							
Rotation R / L							
Self Leveling System/Emg. Stop/Disable							
Leveling System Override							
Hyd. Reservoir for Leveling System							
Spot / Flood Lights / Ladder Lights							
Panel Light, Alarm Silence							
Manual and Remote Nozzle Controls							
Master Streams, Aux. Discharges							
Water Control Valves							
Platform Folding Egress Ladder							
Stokes Basket Arms, Lifting Eyes							
Breathing Air Gauge and Hook Ups							
Access/Egress Doors							
Hand Tools / Holders							
Visual Inspection of Ladder Components							
5 Ladder Sections, Slide Block Paths							
Aerial Extension / Retraction Cylinders							
Water Way Tubes							
Turn Table Hydraulic Lines							
Sheaves and Cables							
Cable Track / Wiring Harness							
Bucket Hydraulic Lines							
Bucket Leveling Cylinders							

1. Name of the person or organization

2. Address

3. City

4. State

5. Zip

6. Phone number

7. Fax number

8. E-mail address

9. Other information

10. Signature

11. Date

12. Subject

13. Remarks

14. Comments

15. Other

16. Signature

17. Date

18. Subject

19. Remarks

20. Comments

21. Other

22. Signature

23. Date

24. Subject

25. Remarks

26. Comments

27. Other

28. Signature

29. Date

30. Subject

31. Remarks

32. Comments

33. Other

34. Signature

35. Date

36. Subject

37. Remarks

38. Comments

39. Other

40. Signature

41. Date

42. Subject

43. Remarks

44. Comments

45. Other

46. Signature

47. Date

48. Subject

49. Remarks

50. Comments

51. Other

52. Signature

Daily Vehicle Check: Tower 151

Revised: 9/12/2010

Month/Year: _____

Shop #: 3140

Dates: Sun. Mon. Tues. Wed. Thurs. Fri. Sat.

Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th	6736	6736	6751	6753	6753	6753	6770
Engine Hrs: 1st and 15th	851	587	583	584	584	584	587
Aerial Hours 1st and 15th	213	213	Full	Full	214.4	214.4	
Generator Hours 1st and 15th				50.9			
Fuel Level: Capacity: 65 gallons	7/8	7/8	Full	Full	Full	Full	7/8
Warning Lights, Buzzers, etc.	✓	✓	✓	✓	✓	✓	✓
Gauges & Instruments	✓	✓	✓	✓	✓	✓	✓
Oil/Air Pressure	✓	120/160	✓	OK	✓	✓	✓
Oil/Transmission Temp.	✓	✓	✓	✓	✓	✓	✓
Coolant Temp.	✓	✓	✓	✓	✓	✓	✓
Electrical: Volts/Amps	✓	✓	✓	✓	✓	✓	✓
Radios/Headsets/Cell Phone/Pager	✓	✓	✓	✓	✓	✓	✓
Clipboard/Paperwork/Maps/Passport	✓	✓	✓	✓	✓	✓	✓
Safety Vest/Brush Shirts/Flare Shelter	✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights	4	4	✓	✓	✓	✓	✓
Supra Key / RAD Detector	✓	✓	✓	✓	✓	✓	✓
Thermal Camera (TIC) Batteries	✓	✓	✓	✓	✓	✓	✓
Lights: Running/warning/scene	✓	✓	✓	✓	✓	✓	✓
Code 3 Equipment	✓	✓	✓	✓	✓	✓	✓
Tires / Wheels	✓	✓	✓	✓	✓	✓	✓
10 Step Air Brake Check (see back)			✓				
Detailed Aerial Check (see pg. 3)				MONDAY			
Aerial PTO - #1	✓	✓	✓	✓	✓	✓	✓
Hydraulic Generator PTO - #2	✓	✓	✓	✓	✓	✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)	✓			✓			
Water Tank Level 300 gallons	F	Full	Full	F	Full	F	Full
Foam tank Level 30 gallons	F	Full	Full	F	Full	F	Full
Daily Pump Check	✓		✓	✓	✓	✓	✓
Detailed Pump Check (see pg. 2)							✓
Jump Bags(Airway/Trauma/Peds)	✓		✓	✓	✓	✓	✓
O2 Level	1500		1500	1600	1500	1800	1800
ECG Monitor	✓		✓	✓	✓	✓	✓
CEP Drug Box / RSI Drug Box	✓		✓	✓	✓	✓	✓
Suction Unit	✓		✓	✓	✓	✓	✓
Miscellaneous Supplies	✓		✓	✓	✓	✓	✓
Drinking Water	✓		✓	✓	✓	✓	✓
Hand Tools/Wild Land/Appliances	✓	✓	✓	✓	✓	✓	✓
Engineers Headset/Flashlights	✓	✓	✓	✓	✓	✓	✓
Portable Extinguishers(ABC/PW)	✓	✓	✓	✓	✓	✓	✓
Power Tools / Fuel Cans	✓	✓	✓	✓	✓	✓	✓
Run Power Tools (see back)					✓		
Tool Bag/Tools/Slim Jim	✓	✓	✓	✓	✓	✓	✓
Snake Box/Pole	✓	✓	✓	✓	✓	✓	✓
Foam containers/Eductor	✓	✓	✓	✓	✓	✓	✓
SCBA/Spare Air Bottles	✓	✓	✓	✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)							
RIT Bag / Safety Ropes	✓	✓	✓	✓	✓	✓	✓

FIRE EQUIPMENT CONTINUATION

Safety Equipment: Cones, Flares
Wheel Chocks
Ladders
Portable Monitor w/ chains

✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓

FAH/SCBA INSPECTIONS CONTINUATION

	Sun. 8/27	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain	4500		4500	4500	4500	* W	4500
SCBA 2 Engineer	4500		4500	4500	4500	* E	3800
SCBA 3 FF #1	4500		3800	3700	3800	* E	4500
SCBA 4 FF #2	4500		4500	4500	4500	* L	4500
RIC BAG						* V	4
VOICES/FAH/SCBA	4			4	4	C	
SPARE AIR BOTTLES							
Spare 1	4500	4500	4500	4500	4500	* P	4500
Spare 2	4500	4500	4500	4500	4500	* L	4500
Spare 3	4500	4500	4500	4500	4500	* E	4500
Spare 4	4500		4500	4500	4500	* E	4500
Spare 5	4500		4500	4500	4500	* D	4500
Spare 6	4500		4500	4500	4500		4500

WEEKLY INSPECTIONS

CHASSIS/FUNCTIONAL/CHASSIS

Check Fluids	Dates	Sun. 8/27	Wed. 8/30
Engine Oil		✓	OK
Transmission		✓	OK
Coolant		✓	OK
Brake/Air Pressure		✓	70/100
Power Steering		✓	✓
Wiper Fluid		✓	✓
Check Battery/Battery		✓	✓
Check Belts/Hoses		✓	✓
Check Breather Valve/Transmission		✓	✓
Check Front Brakes & Lines		✓	✓
Check Rear Brakes and Lines		✓	✓
Ck Suspension/Steering Components		✓	✓
Check Drive Line		✓	✓
Check for any Fluid Leaks/Note		✓	✓
Check Front/Rear Tire Wear/Tread		✓	✓

Check Tire Pressures	LF 120	RF 120	LF 120	RF 120
All at 120				
2nd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120
O = Outside	I-LR 120	I-RR 120	I-LR 120	I-RR 120
I = Inside				
3rd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120
	I-LR 120	I-RR 120	I-LR 120	I-RR 120

CHASSIS/FUNCTIONAL/CHASSIS

Check gauges:	Date	Sat.
Engine RPM		✓
Temperature		✓
Fuel		✓
Check Pump Volt/Amps		✓
Inspect/Operate Drain Valves		✓
Inspected all Intakes/Discharges		✓
Check Priming Pump Operation		✓
Check Proper Operation of Relief Valves		✓
Flush & Drain Discharges		✓
1st Sat. of month Flush and Refill Tank		✓
Foam System Operational Check		✓

10 Step Air-Brake Check

	Tues.
1. Air Chambers, Air lines	✓
2. Check Drums/Disc, Shoes/Pads	✓
3. Test Low Air-Pressure Warning	✓
4. Automatic Spring Brake Set	✓
5. Rate of Air-Pressure Build up	✓
6. Test Air Leakage Rate	*✓
7. Check Air-Compressor Governor Cut In/Out	✓

	Mon.	Thurs.
Hydraulic Generator		✓
Portable Generator		✓
Fan's 1 and 2		✓
Circular Saw/Blades		✓
Chain Saw/Inspect Chain		✓
Power plant-Rescue Tool		✓
Spreaders Cutters		✓
Short ram Long Ram		✓
Inspect Saws-all		✓
Refuel as Needed		✓
Check Maint. Tag		✓
		Thurs.
Inspect Ladders/Halyards/Locks/etc.		✓

Perform Weekly SCBA Inspections	
(See Weekly SCBA Inspection Sheet)	
Date: 8-1-11	Initials: [Signature]
Date:	Initials:

Weekly Aerial Inspection Checklist							
Stabilization System - Galva	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level							
Hydraulic Leaks							
Functional Graphic Display Panel							
R / L Mid-Ship Stabilizers							
Auxiliary Ground Pads							
Rear Jacks							
Front Cab Jacks							
Stabilizer Interlock Graphic Display							
Audible Warning System							
Aux. Hydraulic Pump							
Hydraulic Transfer / Upper Power							
Emergency Hydraulic Pump/Controls							
Turntable and Controls							
Breathing Air System Pressure							
Raise / Lower							
Extend / Retract							
360 R / L Full Rotation @ 80 degrees							
Functional Graphic Display Panel							
Boom lights - Alarm Test - Ladder Lights							
PA / PPT Mike							
Turn Table Flood Lights							
Bucket Control Switch							
Safety Override Switch's							
Manual Hydraulic Override Controls							
Pedestal Hydraulic Lines, Any Leaks							
Safety Lines							
Smart Boom Warning System							
Stabilizer Interlock Override							
Rotational Interlock System							
Emergency Hydraulic Controls							
Platform Controls - Galva							
Functional Graphic Display Panel							
Bucket Control Power							
High Range / Creep Mode							
Raise / Lower							
Extend / Retract							
Rotation R / L							
Self Leveling System/Emg. Stop/Disable							
Leveling System Override							
Hyd. Reservoir for Leveling System							
Spot / Flood Lights / Ladder Lights							
Panel Light, Alarm Silence							
Manual and Remote Nozzle Controls							
Master Streams, Aux. Discharges							
Water Control Valves							
Platform Folding Egress Ladder							
Stokes Basket Arms, Lifting Eyes							
Breathing Air Gauge and Hook Ups							
Access/Egress Doors							
Hand Tools / Holders							
Visual Inspection - Galva							
5 Ladder Sections, Slide Block Paths							
Aerial Extension / Retraction Cylinders							
Water Way Tubes							
Turn Table Hydraulic Lines							
Sheaves and Cables							
Cable Track / Wiring Harness							
Bucket Hydraulic Lines							
Bucket Leveling Cylinders							

Missouri Damaged Equipment Program: How to Apply for Compensation

[illegible]

Daily Vehicle Check: Tower 151

Revised: 4/4/2010

Month/Year: April 2011

Shop #: 3140

Dates: Sun. 3 Mon. Tues. 4 Wed. Thurs. Fri. Sat.

		Sun. <u>3</u>	Mon.	Tues. <u>4</u>	Wed.	Thurs.	Fri.	Sat.
Crew 1								
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 15th	6770	6770	6771	6774	6774	6776	6776
Engine Hrs:	1st and 15th	587	587	587	588	588	588	898
Aerial Hours	1st and 15th		215.5	215.5			215.9	
Generator Hours	1st and 15th			51.2				
Fuel Level: Capacity: 65 gallons		3/8	7/8	13/16	FULL	FULL	FULL	F
Warning Lights, Buzzers, etc.								
Gauges & Instruments			✓	✓	✓	✓	✓	✓
Oil/Air Pressure		✓	✓	✓	110/70	✓	50/110	OK
Oil/Transmission Temp.		✓	✓	✓	✓	✓	✓	
Coolant Temp.		✓	✓	✓	✓	✓	✓	
Electrical: Volts/Amps		✓	✓	✓	14.0	✓	14.0	
Radios/Headsets/Cell Phone/Pager		14.0	W 441	✓	✓	✓	✓	
Clipboard/Paperwork/Maps/Passport		✓✓✓	✓✓✓	✓✓✓	✓	✓	✓	
Safety Vest/Brush Shirts/Fire Shelter		✓✓	✓	✓✓	✓	✓	✓	
Survivor Flashlights	SCBA/PTC/Watch	4	✓x4	4	✓x4	4	4	
Supra Key / RAD Detector		✓	✓	✓	✓	✓	✓	
Thermal Camera (TIC) Batteries		✓	✓	✓	✓	✓	✓	
Lights: Running/warning/scene								
Code 3 Equipment		✓	✓	✓	✓	✓	✓	
Tires / Wheels		✓	✓	✓	✓	✓	✓	
10 Step Air Brake Check (see back)			*					
Detailed Aerial Check (see pg. 3)			*					
Aerial PTO - #1		✓		✓	✓	✓	✓	
Hydraulic Generator PTO - #2		✓		✓	✓	✓	✓	
Cab / Hood Tilt-Eng. Inspect (see pg. 2)				✓				
Water Tank Level	300 gallons	Full	Full	Full	Full	Full	Full	
Foam tank Level	30 gallons	Full	✓	Full	Full	Full	Full	
Daily Pump Check		✓	✓	✓	✓	✓	✓	
Detailed Pump Check (see pg. 2)								
Jump Bags (Airway/Trauma/Peds)								
O2 Level		1800	1700	1700		1700	1700	
ECG Monitor (Weekly Detail Check)			✓			✓	✓	
CEP Drug Box / RSI Drug Box		✓	✓			✓	✓	
Suction Unit		✓	✓			✓	✓	
Miscellaneous Supplies		✓	✓			✓	✓	
Drinking Water			✓			✓	✓	
Hand Tools/Wild Land/Appliances								
Engineers Headset/Flashlights		✓	✓			✓	✓	
Portable Extinguishers (ABC/PW)		✓	✓			✓	✓	
Power Tools / Fuel Cans		✓	✓			✓	✓	
Run Power Tools (see back)		✓				✓		
Tool Bag/Tools/Slim Jim		✓	✓			✓	✓	
Snake Box/Pole		✓	✓			✓	✓	
Foam containers/Eductor		✓	✓			✓	✓	
SCBA/Spare Air Bottles		✓	✓			✓	✓	
Weekly SCBA Inspection (see pg. 2)								
RIT Bag / Safety Ropes		✓	✓			✓	✓	
Air/Gas Monitor (check charge on Fri.)			✓			✓	✓	

FIRE EQUIPMENT CONTAINER							
Safety Equipment: Cones, Flares		✓	✓	✓	✓	✓	
Wheel Chocks		✓	✓	✓	✓	✓	
Ladders		✓	✓	✓	✓	✓	
Portable Monitor w/ chains		✓	✓	✓	✓	✓	

DAILY INSPECTIONS - CONTINUED

SCBA Checks	Dates	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain				4500		4500	* 4500	
SCBA 2 Engineer			4500	4200	4100	4500	* 4500	
SCBA 3 FF #1				4500		4200	* 4500	
SCBA 4 FF #2				3500*	4200	4500	* 4200	
RIC BAG				SWAPPED OUT			*	
Spare Air Bottles								
Spare 1			4500	4500	4500	4500	* 4500	4500
Spare 2			4500	4500	4500	4500	* 4500	4500
Spare 3			4500	4500	4500	4500	* 4500	4500
Spare 4			4500	4500	4500	4500	* 4500	4500
Spare 5			4500	4500	4500	4500	* 4500	4500
Spare 6			4500	4500	4500	4500	* 4500	4500

WEEKLY INSPECTIONS

Check Fluids		Sun.	Wed.
Engine Oil			4/16
Transmission			OK
Coolant			✓
Brake/Air Pressure			✓
Power Steering			✓
Wiper Fluid			✓
Check Battery/Battery			✓
Check Belts/Hoses			✓
Check Breather Valve/Transmission			✓
Check Front Brakes & Lines			✓
Check Rear Brakes and Lines			✓
Check Suspension/Steering Components			✓
Check Drive Line			✓
Check for any Fluid Leaks/Note			✓
Check Front/Rear Tire Wear/Tread			✓

10 Step Air-Brake Check

1. Air Chambers, Air lines
2. Check Drums/Disc, Shoes/Pads
3. Test Low Air-Pressure Warning
4. Automatic Spring Brake Set
5. Rate of Air-Pressure Build up
6. Test Air Leakage Rate
7. Check Air-Compressor Governor

Cut In/Out

Check Tire Pressures		LF	RF	LF 120	RF 120
All at 120	2nd Axle	O-LR	O-RR	O-LR 120	O-RR 120
		I-LR	I-RR	I-LR 120	I-RR 120
O = Outside I = Inside	3rd Axle	O-LR	O-RR	O-LR 120	O-RR 120
		I-LR	I-RR	I-LR 120	I-RR 120

PREPARE FOR INSPECTION

Check gauges:		Date	Sat.
Engine RPM			
Temperature			
Fuel			
Check Pump Volt/Amps			
Inspect/Operate Drain Valves			
Inspected all Intakes/Discharges			
Check Priming Pump Operation			
Check Proper Operation of Relief Valve			
Flush & Drain Discharges			
1st Sat. of month Flush and Refill Tank			
Foam System Operational Check			

	Mon.	Thurs.
Hydraulic Generator		✓
Portable Generator		✓
Fan's 1 and 2		✓
Circular Saw/Blades		✓
Chain Saw/Inspect Chain		✓
Power plant-Rescue Tool		✓
Spreaders Cutters		✓
Short ram Long Ram		✓
Inspect Saws-all		✓
Refuel as Needed		✓
Check Maint. Tag		✓
Inspect Ladders/Halyards/Locks/etc.		Thurs. ✓

Perform Weekly SCBA Inspections

(See Weekly SCBA Inspection Sheet)

Date: Initials:

Date: Initials:

Weekly Aerial Inspection Check							
Stabilization System - Main	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level			✓				
Hydraulic Leaks			✓				
Functional Graphic Display Panel			✓				
R / L Mid-Ship Stabilizers			✓				
Auxiliary Ground Pads			✓				
Rear Jacks			✓				
Front Cab Jacks			✓				
Stabilizer Interlock Graphic Display			✓				
Audible Warning System			✓				
Aux. Hydraulic Pump			✓				
Hydraulic Transfer / Upper Power			✓				
Emergency Hydraulic Pump/Controls			✓				
Turn Table and Controls							
Breathing Air System Pressure			9800				
Raise / Lower			✓				
Extend / Retract			✓				
360 R / L Full Rotation @ 80 degrees			✓				
Functional Graphic Display Panel			✓				
Boom lights - Alarm Test - Ladder Lights			✓				
PA / PPT Mike			✓				
Turn Table Flood Lights			✓				
Bucket Control Switch			✓				
Safety Override Switch's			✓				
Manual Hydraulic Override Controls			✓				
Pedestal Hydraulic Lines, Any Leaks			✓				
Safety Lines			✓				
Smart Boom Warning System			✓				
Stabilizer Interlock Override			✓				
Rotational Interlock System			✓				
Emergency Hydraulic Controls			✓				
Platform Controls - Main							
Functional Graphic Display Panel			✓				
Bucket Control Power			✓				
High Range / Creep Mode			✓				
Raise / Lower			✓				
Extend / Retract			✓				
Rotation R / L			✓				
Self Leveling System/Emg. Stop/Disable			✓				
Leveling System Override			✓				
Hyd. Reservoir for Leveling System			✓				
Spot / Flood Lights / Ladder Lights			✓				
Panel Light, Alarm Silence			✓				
Manual and Remote Nozzle Controls			✓				
Mister Streams, Aux. Discharges							
Water Control Valves			✓				
Platform Folding Egress Ladder			✓				
Stokes Basket Arms, Lifting Eyes			✓				
Breathing Air Gauge and Hook Ups			✓				
Access/Egress Doors			✓				
Hand Tools / Holders			✓				
Waterway and Hose System							
5 Ladder Sections, Slide Block Paths			✓				
Aerial Extension / Retraction Cylinders			✓				
Water Way Tubes			✓				
Turn Table Hydraulic Lines			✓				
Sheaves and Cables			✓				
Cable Track / Wiring Harness			✓				
Bucket Hydraulic Lines			✓				
Bucket Leveling Cylinders			✓				

[REDACTED]

[REDACTED]

- Daily Vehicle Check: Tower 151

Revised: 9/12/2010

Month/Year: APRIL 2011

Shop #: 3140

Dates:

Sun.

Mon.

Tues.

Wed.

Thurs.

Fri.

Sat.

		Crew 1	Crew 2	Crew 3	Crew 4	Engine Hrs:	Aerial Hours	Generator Hours	Fuel Level: Capacity: 65 gallons
Mileage:		1st and 15th	6770	7780	6780	6780	6780	6780	6780
Engine Hrs:		1st and 15th	588	589	589	589	589	589	589
Aerial Hours		1st and 15th	215.9		215.9	215.9	215.9	215.9	215.9
Generator Hours		1st and 15th				51.6			
Fuel Level: Capacity: 65 gallons			FULL	FULL	FULL	FULL		FULL	FULL
Warning Lights, Buzzers, etc.									
Gauges & Instruments			V	V	V	V		V	V
Oil/Air Pressure			50/100	V	50/100	OK		50/100	4V
Oil/Transmission Temp.			V	V	V	V		V	V
Coolant Temp.			V	V	V	V		V	V
Electrical: Volts/Amps			14	V	14.0	14.0		14.0	14.0
Radios/Headsets/Cell Phone/Pager			V	V	V	V		V	V
Clipboard/Paperwork/Maps/Passport			V	V	V	V		V	V
Safety Vest/Brush Shirts/Fire Shelter			V	V	V	V		V	V
Survivor Flashlights			4	V	4	4		4	4
Supra Key / RAD Detector			V	V	V	V		V	V
Thermal Camera (TIC) Batteries			V	V	V	V		V	V
Vehicle Equipment									
Lights: Running/warning/scene			V	V	V	V		V	V
Code 3 Equipment			V	V	V	V		V	V
Tires / Wheels			V	V	V	V		V	V
10 Step Air Brake Check (see back)					V				
Detailed Aerial Check (see pg. 3)					V				
Aerial PTO - #1			V	V	V	V		V	V
Hydraulic Generator PTO - #2			V	V	V	V		V	V
Cab / Hood Tilt-Eng. Inspect (see pg. 2)			V		V	V		V	V
Water Tank Level 300 gallons			FULL	FULL	FULL	FULL		FULL	FULL
Foam tank Level 30 gallons			FULL	FULL	FULL	FULL		FULL	FULL
Daily Pump Check			V	V	V	V		V	V
Detailed Pump Check (see pg. 2)								V	V
Fire Equipment									
Jump Bags(Airway/Trauma/Peds)			V	V	V	V		V	V
O2 Level			1700	1700	1700	1700		1800	1800
ECG Monitor			V	V	V	V		V	V
CEP Drug Box / RSI Drug Box			V	V	V	V		V	V
Suction Unit			V	V	V	V		V	V
Miscellaneous Supplies			V	V	V	V		V	V
Drinking Water			V	V	V	V		V	V
Life Equipment									
Hand Tools/Wild Land/Appliances			V	V	V	V		V	V
Engineers Headset/Flashlights			V	V	V	V		V	V
Portable Extinguishers(ABC/PW)			V	V	V	V		V	V
Power Tools / Fuel Cans			V	V	V	V		V	V
Run Power Tools (see back)			V	V	V	V		V	V
Tool Bag/Tools/Slim Jim			V	V	V	V		V	V
Snake Box/Pole			V	V	V	V		V	V
Foam containers/Eductor			V	V	V	V		V	V
SCBA/Spare Air Bottles			V	V	V	V		V	V
Weekly SCBA Inspection (see pg. 2)			V	V	V	V		V	V
RIT Bag / Safety Ropes			V	V	V	V		V	V
Air/Gas Monitor (check charge on Fri.)			V	V	V	V		V	V

Equipment Checklist

Safety Equipment: Cones, Flares	✓	✓	✓	✓		✓	✓
Wheel Chocks	✓	✓	✓	✓		✓	✓
Ladders						✓	
Portable Monitor w/ chains	—	✓		—		—	—

SCBA Inspection

	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain	4500	4500	4500	4500	4500	4500	4500
SCBA 2 Engineer	4500	4500	4500	4500	4500	4500	4500
SCBA 3 FF #1	4500	4500	4500	4500	4500	4500	4500
SCBA 4 FF #2	4500	4500	4500	4500	4500	4500	4500
RIC BAG							

Vehicle Inspections

Spare 1	4500			4500	4500	4500	4500
Spare 2	4500			4500	4500	4500	4500
Spare 3	4500			4500	4500	4500	4500
Spare 4	4500			4500	4500	4500	4500
Spare 5				4500	4500	4500	4500
Spare 6				4500	4500	4500	4500

Weekly Inspections

Check Fluids	Sun.	Wed.
Engine Oil	✓	✓
Transmission	✓	✓
Coolant	✓	✓
Brake/Air Pressure	✓	✓
Power Steering	✓	✓
Wiper Fluid	✓	✓
Check Battery/Battery	✓	✓
Check Belts/Hoses	✓	✓
Check Breather Valve/Transmission	✓	✓
Check Front Brakes & Lines	✓	✓
Check Rear Brakes and Lines	✓	✓
Check Suspension/Steering Components	✓	✓
Check Drive Line	✓	✓
Check for any Fluid Leaks/Note	✓	✓
Check Front/Rear Tire Wear/Tread	✓	✓

Check Tire Pressures	LF 120	RF 120	LF 120	RF 120
All at 120	O-LR 115	O-RR 115	O-LR 115	O-RR 115
O = Outside	I-LR 120	I-RR 120	I-LR 115	I-RR 115
I = Inside	3rd Axle O-LR 110	O-RR 110	O-LR 115	O-RR 115
	I-LR 120	I-RR 120	I-LR 115	I-RR 115

Check gauges:	Date	Sat.
Engine RPM		
Temperature		
Fuel		
Check Pump Volt/Amps		
Inspect/Operate Drain Valves		
Inspected all Intakes/Discharges		
Check Priming Pump Operation		
Check Proper Operation of Relief Valve		
Flush & Drain Discharges		
1st Sat. of month Flush and Refill Tank		
Foam System Operational Check		

10 Step Air-Brake Check

1. Air Chambers, Air lines	
2. Check Drums/Disc, Shoes/Pads	
3. Test Low Air-Pressure Warning	
4. Automatic Spring Brake Set	
5. Rate of Air-Pressure Build up	
6. Test Air Leakage Rate	
7. Check Air-Compressor Governor Cut In/Out	

	Mon.	Thurs.
Hydraulic Generator	✓	
Portable Generator	✓	
Fan's 1 and 2	✓	
Circular Saw/Blades	✓	
Chain Saw/Inspect Chain	✓	
Power plant-Rescue Tool		
Spreaders Cutters	—/✓	
Short ram Long Ram	—	
Inspect Saws-all	—	
Refuel as Needed	✓	
Check Maint. Tag	—	
Inspect Ladders/Halyards/Locks/etc.		

Perform Weekly SCBA Inspections

(See Weekly SCBA Inspection Sheet)	
Date: 4/11/11	Initials: PAN
Date: _____	Initials: _____

Stabilization System	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level				✓			
Hydraulic Leaks				✓			
Functional Graphic Display Panel				✓			
R / L Mid-Ship Stabilizers				✓			
Auxiliary Ground Pads				✓			
Rear Jacks				✓			
Front Cab Jacks				✓			
Stabilizer Interlock Graphic Display				✓			
Audible Warning System				✓			
Aux. Hydraulic Pump				✓			
Hydraulic Transfer / Upper Power				✓			
Emergency Hydraulic Pump/Controls				✓			
Turn Table And Controls				✓			
Breathing Air System Pressure				✓			
Raise / Lower				✓			
Extend / Retract				✓			
360 R / L Full Rotation @ 80 degrees				✓			
Functional Graphic Display Panel				✓			
Boom lights - Alarm Test - Ladder Lights				✓			
PA / PPT Mike				✓			
Turn Table Flood Lights				✓			
Bucket Control Switch				✓			
Safety Override Switch's				✓			
Manual Hydraulic Override Controls				✓			
Pedestal Hydraulic Lines, Any Leaks				✓			
Safety Lines				✓			
Smart Boom Warning System				✓			
Stabilizer Interlock Override				✓			
Rotational Interlock System				✓			
Emergency Hydraulic Controls				✓			
Platform Controls Etc				✓			
Functional Graphic Display Panel				✓			
Bucket Control Power				✓			
High Range / Creep Mode				✓			
Raise / Lower				✓			
Extend / Retract				✓			
Rotation R / L				✓			
Self Leveling System/Emg. Stop/Disable				✓			
Leveling System Override				✓			
Hyd. Reservoir for Levelling System				✓			
Spot / Flood Lights / Ladder Lights				✓			
Panel Light, Alarm Silence				✓			
Manual and Remote Nozzle Controls				✓			
Master Streams, Aux. Discharges				✓			
Water Control Valves				✓			
Platform Folding Egress Ladder				✓			
Stokes Basket Arms, Lifting Eyes				✓			
Breathing Air Gauge and Hook Ups				✓			
Access/Egress Doors				✓			
Hand Tools / Holders				✓			
5 Ladder Sections, Slide Block Paths				✓			
Aerial Extension / Retraction Cylinders				✓			
Water Way Tubes				✓			
Turn Table Hydraulic Lines				✓			
Sheaves and Cables				✓			
Cable Track / Wiring Harness				✓			
Bucket Hydraulic Lines				✓			
Bucket Leveling Cylinders				✓			

9/12 WIPED DOWN UNDERWAP & BRIDGES

Daily Vehicle Check: Tower 151

Revised: 9/12/2010

Month/Year: _____

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th	6809	6809	6809	6810	6824	6838	6838
Engine Hrs: 1st and 15th	595	595	595	595	598	598	598
Aerial Hours 1st and 15th	218.5		218.5	218.5	200.0		
Generator Hours 1st and 15th				32.2			
Fuel Level: Capacity: 65 gallons	FULL	F	FULL	Full	9/8	7/8	7/8
Cab/Console/Instrument Panel/Seatbelts							
Warning Lights, Buzzers, etc.	✓	✓	✓	✓	✓	✓	✓
Gauges & Instruments	✓	✓	✓	✓	✓	✓	✓
Oil/Air Pressure	✓	✓	✓	✓	✓	✓	✓
Oil/Transmission Temp.	✓	✓	✓	✓	✓	✓	✓
Coolant Temp.	✓	✓	✓	✓	✓	✓	✓
Electrical: Volts/Amps	✓	✓	✓	✓	✓	✓	✓
Radios/Headsets/Cell Phone/Pager	✓	✓	✓	✓	✓	✓	✓
Clipboard/Paperwork/Maps/Resort	✓	✓	✓	✓	✓	✓	✓
Safety vest/Brush/Shotgun/Chainsaw	✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights <i>SWIFT WATER</i>	✓	✓	✓	✓	✓	✓	✓
Supra Key / Radio Detector	✓	✓	✓	✓	✓	✓	✓
Thermal Camera (TIC) Batteries	✓	✓	✓	✓	✓	✓	✓
Mechanical/Inspect							
Lights: Running/warning/scene	✓	✓	✓	✓	✓	✓	✓
Code 3 Equipment	✓	✓	✓	✓	✓	✓	✓
Tires / Wheels	✓	✓	✓	✓	✓	✓	✓
10 Step Air Brake Check (see back)			✓				
Detailed Aerial Check (see pg. 3)				✓			
Aerial PTO - #1	✓	✓	✓	✓	✓	✓	✓
Hydraulic Generator PTO - #2	✓	✓	✓	✓	✓	✓	✓
Cab / Hood Tilt-Eng./Inspect (see pg. 2)	✓			✓			
Water Tank Level 300 gallons	✓	✓	✓	Full	Full	Full	Full
Foam tank Level 30 gallons	✓	✓	✓	Full	Full	Full	Full
Daily Pump Check	✓	✓	✓	✓	✓	✓	✓
Detailed Pump Check (see pg. 2)							✓
EMS Equipment							
Jump Bags(Airway/Trauma/Peds)	✓	✓	✓	✓	✓	✓	✓
O2 Level	1500	1500	1600	1700	2000	2000	1800
ECG Monitor	✓	✓	✓	✓	✓	✓	✓
CEP Drug Box / RSI Drug Box	✓	✓	✓	✓ RH	✓	✓	✓
Suction Unit	✓	✓	✓	✓	✓	✓	✓
Miscellaneous Supplies	✓	✓	✓	✓	✓	✓	✓
Drinking Water	✓	✓	✓	✓	✓	✓	✓
Fire Equipment							
Hand Tools/Wildland Appliances	✓	✓	✓	✓	✓	✓	✓
Engineers Headset/Flashlights	✓	✓	✓	✓	✓	✓	✓
Portable Extinguishers(ABC/PW)	✓	✓	✓	✓	✓	✓	✓
Power Tools / Fuel Cans	✓	✓	✓	✓	✓	✓	✓
Run Power Tools (see back)					✓		
Tool Bag/Tools/Storage	✓	✓	✓	✓	✓	✓	✓
Snake Box/Pole	✓	✓	✓	✓	✓	✓	✓
Water containers/Eductor	✓	✓	✓	✓	✓	✓	✓
SCBA/Spare Air Bottles	✓	✓	✓	✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)					✓	✓	
Water Bag / Safety Ropes	✓	✓	✓	✓	✓	✓	✓
Air/Gas Monitor (check charge on Fri.)	✓		✓	✓	✓		

Safety Equipment: Cones, etc	✓	✓		✓		✓	✓
Wheel Chocks	✓	✓		✓		✓	✓
Ladders		✓		✓		✓	✓
Portable Monitor w/ chains	✓			✓		✓	✓

SCBA	Check	Date	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1	Captain		4500	4500	4500	4500	4500	* 4500	4500
SCBA 2	Engineer		4500	4500	4500	4500	4500	* 4500	4500
SCBA 3	FF #1		4500	4500	4500	4500	4500	* 4500	4500
SCBA 4	FF #2		4500	4500	4500	4500	4500	* 4500	4500
RIC BAG									
VOICEMEMBERS						4	4	4	4
Spare Air Bottles									
Spare 1			4500	4500	4500	4500	4500	* 4500	4500
Spare 2			4500	4500	4500	4500	4500	* 4500	4500
Spare 3			4500	4500	4500	4500	4500	* 4500	4500
Spare 4			4500	4500	4500	4500	4500	* 4500	4500
Spare 5			4500	4500	4500	4500	4500	* 4500	4500
Spare 6			4500	4500	4500	4500	4500	* 4500	4500

WEEKLY INSPECTIONS

Check Fluids	Dates	Sun.	Wed.
Engine Oil	5/1	✓	
Transmission		✓	
Coolant		✓	
Brake/Air Pressure		✓	
Power Steering		✓	
Wiper Fluid		✓	
Check Battery/Battery		✓	
Check Belts/Hoses		✓	
Check Breather Valve/Transmission		✓	
Check Front Brakes & Lines		✓	
Check Rear Brakes and Lines		✓	
Check Suspension/Steering Components		✓	
Check Drive Line		✓	
Check for any Fluid Leaks/Note		✓	
Check Front/Rear Tire Wear/Tread		✓	

Check Tire Pressures	LF/20	RF/20	LF	RF
All at 120				
O = Outside				
I = Inside				
2nd Axle	O-LR/20	O-RR/20	O-LR	O-RR
	I-LR/20	I-RR/20	I-LR	I-RR
3rd Axle	O-LR/20	O-RR/20	O-LR	O-RR
	I-LR/20	I-RR/20	I-LR	I-RR

Check gauges:	Date	Sat. 5/7
Engine RPM		✓
Temperature		✓
Fuel		✓
Check Pump Volt/Amps		✓
Inspect/Operate Drain Valves		✓
Inspected all Intakes/Discharges		✓
Check Priming Pump Operation		✓
Check Proper Operation of Relief Valve		✓
Flush & Drain Discharges		✓
1st Sat. of month Flush and Refill Tank		✓
Foam System Operational Check		✓

10 Step Air-Brake Check	Tues.
1. Air Chambers, Air lines	✓
2. Check Drums/Disc, Shoes/Pads	✓
3. Test Low Air-Pressure Warning	✓
4. Automatic Spring Brake Set	✓
5. Rate of Air-Pressure Build up	5000
6. Test Air Leakage Rate	1/50
7. Check Air-Compressor Governor Cut In/Out	✓

	Mon.	Thurs.
Hydraulic Generator	✓	✓
Portable Generator	✓	✓
Fan's 1 and 2	✓	✓
Circular Saw/Blades	✓	✓
Chain Saw/Inspect Chain	✓	✓
Power plant-Rescue Tool	✓	✓
Spreaders (Cutters)	✓	✓
Short ram Long Ram	✓	✓
Inspect Saws-all	✓	✓
Refuel as Needed	✓	✓
Check Maint. Tag	✓	✓
Inspect Ladders/Malyards/Locks/etc.		

Perform Weekly SCBA Inspections	Date	Initials
(See Weekly SCBA Inspection Sheet)	5-1-11	SL
Date		Initials

Weekly Visual Inspection Check							
Stabilization System - Dates	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level				✓			
Hydraulic Leaks				✓			
Functional Graphic Display Panel				✓			
R / L Mid-Ship Stabilizers				✓			
Auxiliary Ground Pads				✓			
Rear Jacks				✓			
Front Cab Jacks				✓			
Stabilizer Interlock Graphic Display				✓			
Audible Warning System				✓			
Aux. Hydraulic Pump				✓			
Hydraulic Transfer / Upper Power				✓			
Emergency Hydraulic Pump/Controls				✓			
Turntable Controls							
Breathing Air System Pressure				✓			
Raise / Lower				✓			
Extend / Retract				✓			
360 R / L Full Rotation @ 80 degrees				✓			
Functional Graphic Display Panel				✓			
Boom Lights - Alarm Test - Ladder Lights				✓			
PA / PPT Mike				✓			
Turn Table Flood Lights				*✓			
Bucket Control Switch				✓			
Safety Override Switch's				✓			
Manual Hydraulic Override Controls				✓			
Pedestal Hydraulic Lines, Any Leaks				✓			
Safety Lines				✓			
Smart Boom Warning System				✓			
Stabilizer Interlock Override				✓			
Rotational Interlock System				✓			
Emergency Hydraulic Controls				✓			
Platform Controls							
Functional Graphic Display Panel				✓			
Bucket Control Power				✓			
High Range / Creep Mode				✓			
Raise / Lower				✓			
Extend / Retract				✓			
Rotation R / L				✓			
Self Leveling System/Emg. Stop/Disable				✓			
Leveling System Override				✓			
Hyd. Reservoir for Leveling System				✓			
Spot / Flood Lights / Ladder Lights				✓			
Panel Light, Alarm Silence				✓			
Manual and Remote Nozzle Controls				✓			
Master Streams, Aux. Discharges				✓			
Water Control Valves				✓			
Platform Folding Egress Ladder				✓			
Stokes Basket Arms, Lifting Eyes				✓			
Breathing Air Gauge and Hook Ups				✓			
Access/Egress Doors				✓			
Hand Tools / Holders				✓			
Visual Inspection of Ladder and Aerial							
5 Ladder Sections, Slide Block Paths				✓			
Aerial Extension / Retraction Cylinders				✓			
Water Way Tubes				✓			
Turn Table Hydraulic Lines				✓			
Sheaves and Cables				✓			
Cable Track / Wiring Harness				✓			
Bucket Hydraulic Lines				✓			
Bucket Leveling Cylinders				✓			

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Revised: 9/12/2010

Month/Year: May/2011

Shop #: 3140

Dates: Sun.^{5/8} Mon. Tues. Wed. Thurs. Fri. Sat.

1

FIRE Equipment Schedule							
Safety Equipment: Cones, Flares	✓	✓	✓	✓	✓	✓	✓
Wheel Chocks	✓	✓	✓	✓	✓	✓	✓
Ladders	✓	✓	✓	✓	✓	✓	✓
Portable Monitor w/ chains	✓	✓	✓	✓	✓	✓	✓

Daily Inspection Schedule

SCBA checked	Dates	Sun. 5/8	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain		4500	4500	4500	4500	4500	* 4500	4500
SCBA 2 Engineer		4500	4500	4500	4500	4500	* 4500	4500
SCBA 3 FF #1		4500	4500	4500	4500	4500	* 4500	4500
SCBA 4 FF #2		4500	4500	4500	4500	4500	* 4500	4500
RIC BAG								
VEHICLE INSPECTION			4	4	4	4	4	4
SPARE AIR HOSES								
Spare 1		4500	4500	4500	4500	4500	* 4500	4500
Spare 2		4500	4500	4500	4500	4500	* 4500	4500
Spare 3		4500	4500	4500	4500	4500	* 4500	4500
Spare 4		4500	4500	4500	4500	4500	* 4500	4500
Spare 5		4500	4500	4500	4500	4500	* 4500	4500
Spare 6		4500	4500	4500	4500	4500	* 4500	4500

WEEKLY INSPECTIONS

Check Fluids	Dates	Sun. 5/8	Wed. 5/11
Engine Oil		✓	✓
Transmission		✓	✓
Coolant		✓	✓
Brake/Air Pressure		✓	✓
Power Steering		✓	✓
Wiper Fluid		✓	✓
Check Battery/Battery		✓	✓
Check Belts/Hoses		✓	✓
Check Breather Valve/Transmission		✓	✓
Check Front Brakes & Lines		✓	✓
Check Rear Brakes and Lines		✓	✓
Ch Suspension/Steering Components		✓	✓
Check Drive Line		✓	✓
Check for any Fluid Leaks/Note		✓	✓
Check Front/Rear Tire Wear/Tread		✓	✓

Check Tire Pressures	LF 120	RF 120	LF 120	RF 120
All at 120				
2nd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120
O = Outside	I-LR 120	I-RR 120	I-LR 120	I-RR 120
I = Inside				
3rd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120
	I-LR 120	I-RR 120	I-LR 120	I-RR 120

Check gauges:	Date	Sat. 5-14
Engine RPM		605
Temperature		
Fuel		
Check Pump Volt/Amps		
Inspect/Operate Drain Valves		
Inspected all Intakes/Discharges		
Check Priming Pump Operation		
Check Proper Operation of Relief Valve		
Flush & Drain Discharges		
1st Sat. of month Flush and Refill Tank		
Foam System Operational Check		

10 Step Air-Brake Check	Tues.
1. Air Chambers, Air lines	✓
2. Check Drums/Disc, Shoes/Pads	✓
3. Test Low Air-Pressure Warning	✓
4. Automatic Spring Brake Set	✓
5. Rate of Air-Pressure Build up	✓
6. Test Air Leakage Rate	✓
7. Check Air-Compressor Governor	✓
Cut In/Out	✓

	Mon.	Thurs.
Hydraulic Generator	✓	✓
Portable Generator	✓	✓
Fan's 1 and 2	✓	✓
Circular Saw/Blades	✓	✓
Chain Saw/Inspect Chain	✓	✓
Power plant-Rescue Tool	✓	✓
Spreaders	✓	✓
Short ram	✓	✓
Long Ram	✓	✓
Inspect Saws-all	✓	✓
Refuel as Needed	✓	✓
Check Maint. Tag	✓	✓
Inspect Ladders/Halyards/Locks/etc.	✓	✓

Perform Weekly SCBA Inspections
(See Weekly SCBA Inspection Sheet)
Date: Initials:
Date: Initials:

*AIR / EAK BRAKE CYLINDER #1

at pump station
at 11:11 AM

Weekly Aerial Inspection Check							
Stabilization System - Days	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level				F			
Hydraulic Leaks				✓			
Functional Graphic Display Panel				✓			
R / L Mid-Ship Stabilizers				✓			
Auxiliary Ground Pads				✓			
Rear Jacks				✓			
Front Cab Jacks				✓			
Stabilizer Interlock Graphic Display				✓			
Audible Warning System				✓			
Aux. Hydraulic Pump				✓			
Hydraulic Transfer / Upper Power				✓			
Emergency Hydraulic Pump/Controls				✓			
Turn Table and Controls							
Breathing Air System Pressure				.			
Raise / Lower				✓			
Extend / Retract				✓			
360 R / L Full Rotation @ 80 degrees				✓			
Functional Graphic Display Panel				✓			
Boom lights - Alarm Test - Ladder Lights				✓			
PA / PPT Mike				✓			
Turn Table Flood Lights				✓			
Bucket Control Switch				✓			
Safety Override Switch's				✓			
Manual Hydraulic Override Controls				✓			
Pedestal Hydraulic Lines, Any Leaks				✓			
Safety Lines				.			
Smart Boom Warning System				.			
Stabilizer Interlock Override				✓			
Rotational Interlock System				✓			
Emergency Hydraulic Controls				✓			
Platform Controls - PPT							
Functional Graphic Display Panel				✓			
Bucket Control Power				✓			
High Range / Creep Mode				✓			
Raise / Lower				✓			
Extend / Retract				✓			
Rotation R / L				✓			
Self Leveling System/Emg. Stop/Disable				✓			
Leveling System Override				✓			
Hyd. Reservoir for Leveling System				.			
Spot / Flood Lights / Ladder Lights				✓			
Panel Light, Alarm Silence				✓			
Manual and Remote Nozzle Controls				✓			
Master Streams, Aux. Discharges				✓			
Water Control Valves				✓			
Platform Folding Egress Ladder				✓			
Stokes Basket Arms, Lifting Eyes				✓			
Breathing Air Gauge and Hook Ups				✓			
Access/Egress Doors				✓			
Hand Tools / Holders				✓			
Visual Inspection on Aerial Pumps							
5 Ladder Sections, Slide Block Paths				✓			
Aerial Extension / Retraction Cylinders				✓			
Water Way Tubes				✓			
Turn Table Hydraulic Lines				✓			
Sheaves and Cables				✓			
Cable Track / Wiring Harness				✓			
Bucket Hydraulic Lines				✓			
Bucket Leveling Cylinders				✓			

Missing or Damaged Equipment

[illegible]

Daily Vehicle Check: Tower 151

Revised: 9/12/2010

Month/Year: 5/11

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1							
Crew 2							
Crew 3				⊖			
Crew 4							
Mileage: 1st and 15th		6848		5		6849	6856
Engine Hrs: 1st and 15th		602				602	602
Aerial Hours 1st and 15th							
Generator Hours 1st and 15th							
Fuel Level: Capacity: 65 gallons		F				F	1/8
DAY CONTROL / INFORMATION / EQUIPMENT							
Warning Lights, Buzzers, etc.		✓				✓	✓
Gauges & Instruments		✓				✓	✓
Oil/Air Pressure		LEAK				✓	✓
Oil/Transmission Temp.		✓				✓	✓
Coolant Temp.		✓				✓	✓
Electrical: Volts/Amps		✓				✓	✓
Radios/Headsets/Cell Phone/Pager		✓				✓	✓
Clipboard/Paperwork/Maps/Passport		✓				✓	✓
Safety Vest/Brush Shirts/Fire Shelter		✓				✓	✓
Survivor Flashlights		4				4	✓
Supra Key / RAD Detector		✓				✓	✓
Thermal Camera (TIC) Batteries		✓				✓	✓
MECHANICAL / MAINTENANCE							
Lights: Running/warning/scene		✓				✓	✓
Code 3 Equipment		✓				✓	✓
Tires / Wheels		✓				✓	✓
10 Step Air Brake Check (see back)							
Detailed Aerial Check (see pg. 3)							
Aerial PTO - #1							✓
Hydraulic Generator PTO - #2							✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)							
Water Tank Level 300 gallons		F				F	F
Foam tank Level 30 gallons		F				F	F
Daily Pump Check							✓
Detailed Pump Check (see pg. 2)							✓
EMS EQUIPMENT							
Jump Bags(Airway/Trauma/Peds)						✓	✓
O2 Level						1500	1500
ECG Monitor						✓	✓
CEP Drug Box / RSI Drug Box						✓	✓
Suction Unit						✓	✓
Miscellaneous Supplies						✓	✓
Drinking Water						✓	✓
IRE EQUIPMENT							
Hand Tools/Wild Land Appliances						✓	✓
Engineers Headset/Flashlights						✓	✓
Portable Extinguishers(ABC/PW)						✓	✓
Power Tools / Fuel Cans						✓	✓
Run Power Tools (see back)							
Tool Bag/Tools/Slim Jim						✓	✓
Snake Box/Pole						✓	✓
Foam Containers/Eductor						✓	✓
SCBA/Spare Air Bottles						✓	✓
Weekly SCBA Inspection (see pg. 2)						✓	✓
RIT Bag / Safety Ropes						✓	✓

FIRE EQUIPMENT CONTAINER							
Safety Equipment: Cones, Flares		✓		0		✓	✓
Wheel Chocks		✓		0		✓	✓
Ladders		✓		S		✓	✓
Portable Monitor w/ chains							—

SCBA INSPECTIONS

SCBA	Inspector	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1	Captain	4000+	4000+				* 4000	4500
SCBA 2	Engineer	4500	4500				* 4500	4500
SCBA 3	FF #1	4000+	4000+				* 4000	
SCBA 4	FF #2	4000+	4000+				* 4500	
RIC BAG							*	
Spare Air Bottles		4	4				4	4
Spare 1			4000				* 4000	4500
Spare 2			4000				* 4000	4500
Spare 3			4000				* 4000	4500
Spare 4			4000				* 4000	4500
Spare 5			4000				* 4000	4500
Spare 6			4000				* 4000	4000

WEEKLY INSPECTIONS

Check Fluids	Dates	Sun.	Wed.	Tues.
Engine Oil				
Transmission				
Coolant				
Brake/Air Pressure				
Power Steering				
Wiper Fluid				
Check Battery/Battery				
Check Belts/Hoses				
Check Breather Valve/Transmission				
Check Front Brakes & Lines				
Check Rear Brakes and Lines				
Check Suspension/Steering Components				
Check Drive Line				
Check for any Fluid Leaks/Note				
Check Front/Rear Tire Wear/Tread				

10 Step Air-Brake Check	Tues.
1. Air Chambers, Air Lines	
2. Check Drums/Disc, Shoes/Pads	
3. Test Low Air-Pressure Warning	
4. Automatic Spring Brake Set	
5. Rate of Air-Pressure Build up	
6. Test Air Leakage Rate	
7. Check Air-Compressor Governor Cut In/Out	

Check Tire Pressures	LF	RF	LF 120	RF 120
All at 120				
2nd Axle	O-LR	O-RR	O-LR 120	O-RR 120
O = Outside	I-LR	I-RR	I-LR 120	I-RR 120
I = Inside	3rd Axle	O-LR	O-RR	O-LR 120
		I-LR	I-RR	I-LR 120

Check gauges:	Date	Sat.
Engine RPM		✓
Temperature		✓
Fuel		—
Check Pump Volt/Amps		✓
Inspect/Operate Drain Valves		✓
Inspected all Intakes/Discharges		✓
Check Priming Pump Operation		✓
Check Proper Operation of Relief Valve		✓
Flush & Drain Discharges		✓
1st Sat. of month Flush and Refill Tank		—
Foam System Operational Check		✓

	Mon.	Thurs.
Hydraulic Generator	✓	
Portable Generator	✓	
Fan's 1 and 2	✓	
Circular Saw/Blades	✓	
Chain Saw/Inspect Chain	✓	
Power plant-Rescue Tool	✓	
Spreaders		
Cutters		
Short ram		
Long Ram		
Inspect Saws-all		
Refuel as Needed	✓	
Check Maint. Tag		
		Thurs.
Inspect Ladders/Halyards/Locks/etc.		

Perform Weekly SCBA Inspections	
(See Weekly SCBA Inspection Sheet)	
Date:	Initials:
Date:	Initials:

Daily Vehicle Check: Tower 151

Revised: 9/12/2010

Month/Year: MAY 2011

Shop #: 3140

Dates: Sun. Mon. 23 Tues. Wed. Thurs. Fri. Sat.

		Sun.	Mon. <u>23</u>	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1								
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 15th	6850	6851	6853	6854	6855	6855	6855
Engine Hrs:	1st and 15th	607	603	604	604	609	609	609
Aerial Hours	1st and 15th	22.1			22.3			
Generator Hours	1st and 15th				53.0			
Fuel Level: Capacity: 85 gallons		Full	9/10	Full	Full	15/16	F	7/8
Cab Controls/Instrument Panel/Equipment								
Warning Lights, Buzzers, etc.		✓	✓	✓	✓	✓	✓	✓
Gauges & Instruments		✓	✓	✓	✓	✓	✓	✓
Oil/Air Pressure		✓	✓	✓	✓	✓	✓	✓
Oil/Transmission Temp.		✓	✓	✓	✓	✓	✓	✓
Coolant Temp.		✓	✓	✓	✓	✓	✓	✓
Electrical: Volts/Amps		✓	✓	✓	✓ 14v	✓	✓	✓
Radios/Headsets/Cell Phone/Pager		✓	✓	✓	✓	✓	✓	✓
Clipboard/Paperwork/Maps/Passport		✓	✓	✓	✓	✓	✓	✓
Safety Vest/Brush Shirts/Fire Shelter		✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights		✓	✓	✓	✓	✓	✓	✓
Supra Key / RAD Detector		✓	✓	✓	✓	✓	✓	✓
Thermal Camera (TIC) Batteries		✓	✓	✓	✓	✓	✓	✓
Mechanical/Engine								
Lights: Running/warning/scene		✓	✓	✓	✓	✓	✓	✓
Code 3 Equipment		✓	✓	✓	✓	✓	✓	✓
Tires / Wheels		✓	✓	✓	✓	✓	✓	✓
10 Step Air Brake Check (see back)		✓	✓	✓	✓	✓	✓	✓
Detailed Aerial Check (see pg. 3)		✓	✓	✓	✓	✓	✓	✓
Aerial PTO - #1		✓	✓	✓	✓	✓	✓	✓
Hydraulic Generator PTO - #2		✓	✓	✓	✓	✓	✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)		✓	✓	✓	✓	✓	✓	✓
Water Tank Level 300 gallons		Full	Full	Full	3/4	3/4	3/4	3/4
Foam tank Level 30 gallons		Full	Full	Full	Full	Full	Full	Full
Daily Pump Check		✓	✓	✓	✓	✓	✓	✓
Detailed Pump Check (see pg. 2)		✓	✓	✓	✓	✓	✓	✓
EMS Equipment								
Jump Bags (Airway/Trauma/Peds)		✓	✓	✓	✓	✓	✓	✓
O2 Level		1600	1600	1600	✓	1600	1600	✓
ECG Monitor		✓	✓	✓	✓	✓	✓	✓
CEP Drug Box / RSI Drug Box		✓	✓	✓	✓	✓	✓	✓
Suction Unit		✓	✓	✓	✓	✓	✓	✓
Miscellaneous Supplies		✓	✓	✓	✓	✓	✓	✓
Drinking Water		✓	✓	✓	✓	✓	✓	✓
Fire Equipment								
Hand Tools/Wild Land/Appliances		✓	✓	✓	✓	✓	✓	✓
Engineers Headset/Flashlights		✓	✓	✓	✓	✓	✓	✓
Portable Extinguishers (ABC/PW)		✓	✓	✓	✓	✓	✓	✓
Power Tools / Fuel Cans		✓	✓	✓	✓	✓	✓	✓
Run Power Tools (see back)		✓	✓	✓	✓	✓	✓	✓
Tool Bag/Tools/Slim Jim		✓	✓	✓	✓	✓	✓	✓
Snake Box/Pole		✓	✓	✓	✓	✓	✓	✓
Foam containers/Eductor		✓	✓	✓	✓	✓	✓	✓
SCBA/Spare Air Bottles		✓	✓	✓	✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)		✓	✓	✓	✓	✓	✓	✓
RIT Bag / Safety Ropes		✓	✓	✓	✓	✓	✓	✓

LOW
NEED
TO BE
STARTED
EARLY
DOT

Fire Equipment Condition							
Safety Equipment: Cones, Flares	✓		✓	✓	✓	✓	✓
Wheel Chocks	✓		✓	✓	✓	✓	✓
Ladders	✓		✓	✓		✓	✓
Portable Monitor w/ chains	✓		✓	✓	✓		✓

SCBA Checks							
	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain	4500	4500	4500	4500	4500	* 4500	4500
SCBA 2 Engineer	4500	4500	4500	4500	4500	* 4500	4500
SCBA 3 FF #1	4500	4500	4500	4500	4500	* 4500	4500
SCBA 4 FF #2	4500	4500	4500	4500	4500	* 4500	4500
RIC BAG							
Verbal Checks	4		4	4	4	4	4

Spare Air Cylinders							
Spare 1	4500	4500	4500	4500	4500	* 4500	4500
Spare 2	4500	4500	4500	4500	4500	* 4500	4500
Spare 3	4500	4500	4500	4500	4500	* 4500	4500
Spare 4	4500	4500	4500	4500	4500	* 4500	4500
Spare 5	4500	4500	4500	4500	4500	* 4500	4500
Spare 6	4500	4500	4500	4500	4500	* 4500	4500

Weekly Inspections

Check Fluids		Sun.	Wed.
Dates		05/22	5/25
Engine Oil		✓	✓
Transmission		✓	✓
Coolant		✓	✓
Brake/Air Pressure		✓	✓
Power Steering		✓	✓
Wiper Fluid		✓	✓
Check Battery/Battery		✓	✓
Check Belts/Hoses		✓	✓
Check Breather Valve/Transmission		✓	✓
Check Front Brakes & Lines		✓	✓
Check Rear Brakes and Lines		✓	✓
Check Suspension/Steering Components		✓	✓
Check Drive Line		✓	✓
Check for any Fluid Leaks/Note		✓	✓
Check Front/Rear Tire Wear/Tread		✓	✓

Check Tire Pressures		LF 120	RF 120	LF 120	RF 120
All at 120	2nd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120
O = Outside		I-LR 120	I-RR 120	I-LR 120	I-RR 120
I = Inside	3rd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120
		I-LR 120	I-RR 120	I-LR 120	I-RR 120

Check gauges:		Date	Sat.
Engine RPM			✓
Temperature			✓
Fuel			✓
Check Pump Vol/Amps			✓
Inspect/Operate Drain Valves			✓
Inspected all Intakes/Discharges			✓
Check Priming Pump Operation			✓
Check Proper Operation of Relief Valve			✓
Flush & Drain Discharges			✓
1st Sat. of month Flush and Refill Tank			✓
Foam System Operational Check			✓

10 Step Air-Brake Check		Tues.
1. Air Chambers, Air lines		✓
2. Check Drums/Disc, Shoes/Pads		✓
3. Test Low Air-Pressure Warning		✓
4. Automatic Spring Brake Set		✓
5. Rate of Air-Pressure Build up		✓
6. Test Air Leakage Rate		✓
7. Check Air-Compressor Governor Cut In/Out		✓

		Mon. 23	Thurs.
Hydraulic Generator			✓
Portable Generator			✓
Fan's 1 and 2			✓
Circular Saw/Blades			✓
Chain Saw/Inspect Chain			✓
Power plant-Rescue Tool			✓
Spreaders Cutters			✓
Short ram Long Ram			✓
Inspect Saws-all			✓
Refuel as Needed			✓
Check Maint. Tag			✓
Inspect Ladders/Halyards/Locks/etc.			✓

Perform Weekly SCBA Inspections	
(See Weekly SCBA Inspection Sheet)	
Date: 5/28	Initials: DR
Date: 5/28	Initials:

Weekly Aerial Inspection Checks							
Stabilization System - Pads	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level				✓			
Hydraulic Leaks				✓			
Functional Graphic Display Panel				✓			
R / L Mid-Ship Stabilizers				✓			
Auxiliary Ground Pads				✓			
Rear Jacks				✓			
Front Cab Jacks				✓			
Stabilizer Interlock Graphic Display				✓			
Audible Warning System				✓			
Aux. Hydraulic Pump				✓			
Hydraulic Transfer / Upper Power				✓			
Emergency Hydraulic Pump/Controls				✓			
Turn Table and Controls							
Breathing Air System Pressure				✓			
Raise / Lower				✓			
Extend / Retract				✓			
360 R / L Full Rotation @ 80 degrees				✓			
Functional Graphic Display Panel				✓			
Boom lights - Alarm Test - Ladder Lights				✓			
PA / PPT Mike				X ✓			
Turn Table Flood Lights				✓			
Bucket Control Switch				✓			
Safety Override Switch's				✓			
Manual Hydraulic Override Controls				✓			
Pedestal Hydraulic Lines, Any Leaks				✓			
Safety Lines				✓			
Smart Boom Warning System				✓			
Stabilizer Interlock Override				✓			
Rotational Interlock System				✓			
Emergency Hydraulic Controls				✓			
Platform Controls - Ext.							
Functional Graphic Display Panel				✓			
Bucket Control Power				✓			
High Range / Creep Mode				✓			
Raise / Lower				✓			
Extend / Retract				✓			
Rotation R / L				✓			
Self Leveling System/Emg. Stop/Disable				✓			
Leveling System Override				✓			
Hyd. Reservoir for Leveling System				✓			
Spot / Flood Lights / Ladder Lights				✓			
Panel Light, Alarm Silence				✓			
Manual and Remote Nozzle Controls				✓			
Master Streams, Aux. Discharges				✓			
Water Control Valves				✓			
Platform Folding Egress Ladder				✓			
Stokes Basket Arms, Lifting Eyes				✓			
Breathing Air Gauge and Hook Ups				✓			
Access/Egress Doors				✓			
Hand Tools / Holders				✓			
5 Ladder Sections, Slide Block Paths				✓			
Aerial Extension / Retraction Cylinders				✓			
Water Way Tubes				✓			
Turn Table Hydraulic Lines				✓			
Sheaves and Cables				✓			
Cable Track / Wiring Harness				✓			
Bucket Hydraulic Lines				✓			
Bucket Leveling Cylinders				✓			

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Daily Vehicle Check: Tower 151

Revised: 4/4/2010

Month/Year: MAY/JUNE 2010

Shop #: 3140

Dates: Sun. Mon. Tues. Wed. Thurs. Fri. Sat.

		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1								
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 15th	6866	6866		6866	6866	6874	6874
Engine Hrs:	1st and 15th	610	610		610	610	610	610
Aerial Hours	1st and 15th				227			227
Generator Hours	1st and 15th							
Fuel Level: Capacity: 65 gallons		3/4 +	3/4		FULL	FULL	F	FULL
Cap Controls/Instrument Panel								
Warning Lights, Buzzers, etc.		✓	✓		✓	✓	✓	✓
Gauges & Instruments		✓	✓		✓	✓	✓	✓
Oil/Air Pressure		✓	✓		LOW AIR	✓	✓	✓
Oil/Transmission Temp.		✓	✓		✓	✓	✓	✓
Coolant Temp.		✓	✓		✓	✓	✓	✓
Electrical: Volts/Amps		✓	✓		✓	✓	✓	✓
Radios/Headsets/Cell Phone/Pager		✓	✓		✓	✓	✓	✓
Clipboard/Paperwork/Maps/Passport		✓	✓		✓	✓	✓	✓
Safety Vest/Brush Shirts/Fire Shelter		✓	✓		WATER RES	✓	✓	✓
Survivor Flashlights		✓	✓		✓	✓	✓	✓
Supra Key / RAD-Detector		✓	✓		✓	✓	✓	✓
Thermal Camera (TIC) Batteries		✓	✓		✓	✓	✓	✓
Mechanical/Electrical								
Lights: Running/warning/scene		✓	✓		✓	✓	✓	✓
Code 3 Equipment		✓	✓		✓	✓	✓	✓
Tires / Wheels		✓	✓		✓	✓	✓	✓
10 Step Air Brake Check (see back)								
Detailed Aerial Check (see pg. 3)								
Aerial PTO - #1		✓	✓		✓	✓	✓	✓
Hydraulic Generator PTO - #2		✓	✓		✓	✓	✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)		✓	✓		✓	✓	✓	✓
Water Tank Level 300 gallons		F	F		FULL	FULL	F	FULL
Foam tank Level 30 gallons		F	F		FULL	✓	F	FULL
Daily Pump Check		✓	✓		✓	✓	✓	✓
Detailed Pump Check (see pg. 2)								
EMS Equipment								
Jump Bags(Airway/Trauma/Peds)		✓	✓		✓	✓	✓	✓
O2 Level		1800	1800		1800	1700		1700
ECG Monitor (Weekly Detail Check)		✓	✓		✓	✓	✓	✓
CEP Drug Box / RSI Drug Box		✓	✓		✓	✓	✓	✓
Suction Unit		✓	✓		✓	✓	✓	✓
Miscellaneous Supplies		✓	✓		✓	✓	✓	✓
Drinking Water		✓	✓		✓	✓	✓	✓
Fire Equipment								
Hand Tools/Wild Land/Appliances		✓	✓		✓	✓	✓	✓
Engineers Headset/Flashlights		✓	✓		✓	✓	✓	✓
Portable Extinguishers(ABC/PW)		✓	✓		✓	✓	✓	✓
Power Tools / Fuel Cans		✓	✓		✓	✓	✓	✓
Run Power Tools (see back)		✓	✓		✓	✓	✓	✓
Tool Bag/Tools/Slim Jim		✓	✓		✓	✓	✓	✓
Snake Box/Pole		✓	✓		✓	✓	✓	✓
Foam containers/Eductor		✓	✓		✓	✓	✓	✓
SCBA/Spare Air Bottles		✓	✓		✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)		✓	✓		✓	✓	✓	✓
RIT Ran / Safety Ropes		✓	✓		✓	✓	✓	✓

FIRE Equipment Inspection

Safety Equipment: Cones, Flares
Wheel Chocks
Ladders
Portable Monitor w/ chains

✓	✓		✓	✓	✓	✓
✓	✓		✓	✓	✓	✓
✓	✓		✓	✓		✓
✓	✓		✓	✓		✓

DAILY INSPECTION

SCBA Check	SCBA	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1	Captain	4500				4500	* 4500	4500
SCBA 2	Engineer	4500				4500	* 4500	4500
SCBA 3	FF #1	4500				4500	* 4500	4400
SCBA 4	FF #2	4500				4500	* 4500	4400
RIC BAG		—				—	—	—
Voice Recorder		4				4	4	4

SPARE AIR BOTTLES

Spare 1	4500	4500		4500	4500	* 4500	4500
Spare 2	4500	4500		4500	4500	* 4500	4500
Spare 3	4500	4500		4500	4500	* 4500	4500
Spare 4	4500	4500		4500	4500	* 4500	4500
Spare 5	4300	4500		4400	4400	* 4500	4200
Spare 6	4300	4500		4500	4400	* 4500	4200

WEEKLY INSPECTIONS

SCBA/Generator Check Mechanical

Check Fluids	Dates	Sun.	Wed.
Engine Oil	5/29	✓	✓
Transmission		✓	✓
Coolant		✓	✓
Brake/Air Pressure		✓	✓
Power Steering		✓	✓
Wiper Fluid		✓	✓
Check Battery/Battery		✓	✓
Check Belts/Hoses		✓	✓
Check Breather Valve/Transmission		✓	✓
Check Front Brakes & Lines		✓	✓
Check Rear Brakes and Lines		✓	✓
Ck Suspension/Steering Components		✓	✓
Check Drive Line		✓	✓
Check for any Fluid Leaks/Note		✓	✓
Check Front/Rear Tire Wear/Tread		✓	✓

10 Step Air-Brake Check

Tues.
1. Air Chambers, Air lines
2. Check Drums/Disc, Shoes/Pads
3. Test Low Air-Pressure Warning
4. Automatic Spring Brake Set
5. Rate of Air-Pressure Build up
6. Test Air Leakage Rate
7. Check Air-Compressor Governor Cut In/Out

Check Tire Pressures

	LF 120	RF 120	LF 118	RF 120
All at 120				
2nd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120
O = Outside	I-LR 120	I-RR 120	I-LR 120	I-RR 120
I = Inside				
3rd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120
	I-LR 120	I-RR 120	I-LR 120	I-RR 120

Generator/Engine Check

Check gauges:	Date	Sat.
Engine RPM		✓
Temperature		✓
Fuel		✓
Check Pump Volt/Amps		✓
Inspect/Operate Drain Valves		✓
Inspected all Intakes/Discharges		✓
Check Priming Pump Operation		✓
Check Proper Operation of Relief Valve Governor		✓
Flush & Drain Discharges		✓
1st Sat. of month Flush and Refill Tank		✓
Foam System Operational Check		✓

	Mon.	Thurs.
Hydraulic Generator		✓
Portable Generator		✓
Fan's 1 and 2		✓
Circular Saw/Blades		✓
Chain Saw/Inspect Chain		✓
Power plant-Rescue Tool		✓
Spreaders Cutters		✓
Short ram Long Ram		✓
Inspect Saws-all		✓
Refuel as Needed		✓
Check Maint. Tag		✓
Inspect Ladders/Halyards/Locks/etc.		✓

Perform Weekly SCBA Inspections

(See Weekly SCBA Inspection Sheet)
Date: 6/3/11 Initials: _____
Date: _____ Initials: _____

Daily Vehicle Check: Tower 151 5-11?

Revised: 9/12/2010

Month/Year: June 11

Shop #: 3140

Dates:		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1								
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 16th		6927	6942	6946	6976	6990	7001
Engine Hrs:	1st and 15th		623	625	627	629	631	634
Aerial Hrs:	1st and 16th				228.9			
Generator Hours	1st and 16th				56.3			
Fuel Level:	Capacity: 85 gallons	F	3/4	F	3/4	Full	3/4	F
Warning Lights, Buzzers, etc.		✓	✓	✓	✓	✓	✓	✓
Gauges & Instruments		✓	✓	✓	✓	✓	✓	✓
Oil/Air Pressure		✓	*✓	✓	✓	✓	✓	✓
Oil/Transmission Temp.		✓	✓	✓	✓	✓	✓	✓
Coolant Temp.		✓	✓	✓	✓	✓	✓	✓
Electrical: Volts/Amps		✓	✓	✓	✓	✓	✓	✓
Radios/Headsets/Cell Phone/Pager		✓	✓	✓	✓	✓	✓	✓
Clipboard/Paperwork/Maps/Passport		✓	✓	✓	✓	✓	✓	✓
Safety Vest/Brush Shoes/Fire Shovel		✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights		4	✓x4	4	✓x4	✓	✓	4
Supra Key / RAD Detector		✓	✓	✓	✓	✓	✓	✓
Thermal Camera (TIC) Batteries		✓	✓	✓	✓	✓	✓	✓
Lights: Running/Warning/scene		✓	✓	✓	✓	✓	✓	✓
Code 3 Equipment		✓	✓	✓	✓	✓	✓	✓
Tires / Wheels		✓	✓	✓	✓	✓	✓	✓
10 Step Air Brake Check (see back)				✓				
Detailed Aerial Check (see pg. 3)					✓			
Aerial PTO - #1		✓	✓	✓	✓	✓	✓	✓
Hydraulic Generator PTO - #2		✓	✓	✓	✓	✓	✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)		✓			✓			
Water Tank Level	300 gallons	F	Full	F	Full	F	Full	F
Foam Tank Level	30 gallons	F	Full	F	Full	F	Full	F
Daily Pump Check		✓	✓	✓	✓	✓	✓	✓
Detailed Pump Check (see pg. 2)								
Jump Bags(Airway/Trauma/Peds)		✓	✓	✓	✓	✓	✓	✓
O2 Level		1400	1400	1400	1400	1500	1600	1500
ECG Monitor		✓	✓	✓	✓	✓	✓	✓
CEP Drug Box / RSI Drug Box		✓	✓RH	✓	✓RH	✓	✓	✓
Suction Unit		✓	✓	✓	✓	✓	✓	✓
Miscellaneous Supplies		✓	✓	✓	✓	✓	✓	✓
Drinking Water		✓	✓	✓	✓	✓	✓	✓
Hand Tools/Wild Land/Appliances		✓	✓	✓	✓	✓	✓	✓
Engineers Headset/Flashlights		✓	✓	✓	✓	✓	✓	✓
Portable Extinguishers(ABC/PW)		✓	✓	✓	✓	✓	✓	✓
Power Tools / Fuel Cans		✓	✓	✓	✓	✓	✓	✓
Run Power Tools (see back)			✓			✓		
Tool Bag/Tools/Glim Jim		✓	✓	✓	✓	✓	✓	✓
Snake Box/Pole		✓	✓	✓	✓	✓	✓	✓
Foam containers/Eductor		✓	✓	✓	✓	✓	✓	✓
SCBA/Spare Air Bottles		✓	✓	✓	✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)						✓		
RIT Bag / Safety Ropes		✓	✓		✓	✓	✓	✓

FIRE EQUIPMENT CONTAINER							
Safety Equipment: Cones, Flares		✓	✓	✓		✓	✓
Wheel Chocks		✓	✓	✓		✓	✓
Ladders		✓	✓	✓		✓	✓
Portable Monitor w/ chains			✓	✓		✓	✓

AIR/SCBA CONTAINER							
SCBA	Personnel	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.
SCBA 1	Captain	4000	4000	4000		4200	4300
SCBA 2	Engineer	4500	4500	4500		4200	4300
SCBA 3	FF #1	4500	4500	4500		4500	4500
SCBA 4	FF #2	4500	4500	4500		4500	4500
RIC BAG							

SPARE AIR/SCBA CONTAINER							
SCBA	Personnel	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.
Spare 1		4000	4000	4000		4300	4500
Spare 2		4500	4500	4500		4200	4500
Spare 3		4500	4500	4200		4400	4200
Spare 4		4500	4500	4000		4500	4500
Spare 5		4500	4500	4000		4500	4500
Spare 6			4400	4400		4200	4200

WEEKLY INSPECTIONS

SUN. MON. TUES. WED. THURS. FRI. SAT.		SUN. WED.		TUES. THURS.	
Check Fluids		6/19		6/21	
Engine Oil		✓		✓	
Transmission		✓		✓	
Coolant		✓		✓	
Brake/Air Pressure		✓		✓	
Power Steering		✓		✓	
Wiper Fluid		✓		✓	
Check Battery Battery		✓		✓	
Check Belts/Hoses		✓		✓	
Check Breather Valve/Transmission		✓		✓	
Check Front Brakes & Lines		✓		✓	
Check Rear Brakes and Lines		✓		✓	
Ck Suspension/Steering Components		✓		✓	
Check Drive Line		✓		✓	
Check for any Fluid Leaks/Note		✓		✓	
Check Front/Rear Tire Wear/Tread		✓		✓	

10 Step Air-Brake Check		Tues.
1. Air Chambers, Air lines		✓
2. Check Drums/Discs, Shoes/Pads		✓
3. Test Low Air-Pressure Warning		✓
4. Automatic Spring Brake Set		✓
5. Rate of Air-Pressure Build up		✓
6. Test Air Leakage Rate		✓
7. Check Air-Compressor Governor		✓
Out In/Out		✓

Check Tire Pressures		LF 120	RF 120	LF 120	RF 120
All at 120		0-LR 120	0-RR 120	0-LR 120	0-RR 120
O = Outside		I-LR 120	I-RR 120	I-LR 120	I-RR 120
I = Inside		0-LR 120	0-RR 120	0-LR 120	0-RR 120
		I-LR 120	I-RR 120	I-LR 120	I-RR 120

Mon.		Thurs.
Hydraulic Generator		✓
Portable Generator		✓
Fan(s) 1 and 2		✓
Circular Saw/Blades		✓
Chain Saw/Inspect Chain		✓
Power plant-Rescue Tool		✓
Spreaders Cutters		✓
Short ram Long Ram		✓
Inspect Saws-all		✓
Refuel as Needed		✓
Check Maint. Tag		✓
Inspect Ladders/Halyards/Locks/etc.		✓

Check gauges:		Date	Sat.
Engine RPM			
Temperature			
Fuel			
Check Pump Vol/Amps			
Inspect/Operate Drain Valves			
Inspected all Intakes/Discharges			
Check Priming Pump Operation			
Check Proper Operation of Relief Valve			
Flush & Drain Discharges			
1st Sat. of month Flush and Refill Tank			
Foam System Operational Check			

Perform Weekly SCBA Inspections	
(See Weekly SCBA Inspection Sheet)	
Date:	Initials:
Date:	Initials:

	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Stabilizer System							
Hydraulic Reservoir Level			✓				
Hydraulic Leaks			✓				
Functional Graphic Display Panel			✓				
R / L Mid-Ship Stabilizers			✓				
Auxiliary Ground Pads			✓				
Rear Jacks			✓				
Front Cab Jacks			✓				
Stabilizer Interlock Graphic Display			✓				
Audible Warning System			✓				
Aux. Hydraulic Pump			✓				
Hydraulic Transfer / Upper Power			✓				
Emergency Hydraulic Pump/Controls			✓				
Turn Table System							
Breathing Air System Pressure	3000		5000				
Raise / Lower			✓				
Extend / Retract			✓				
360 R / L Full Rotation @ 80 degrees			✓				
Functional Graphic Display Panel			✓				
Boom Lights - Alarm Test - Ladder Lights			✓				
PA / PPT Mike			✓				
Turn Table Flood Lights			✓				
Bucket Control Switch			✓				
Safety Override Switch's			✓				
Manual Hydraulic Override Controls			✓				
Pedestal Hydraulic Lines, Any Leaks			✓				
Safety Lines			✓				
Smart Boom Warning System			✓				
Stabilizer Interlock Override			✓				
Rotational Interlock System			✓				
Emergency Hydraulic Controls			✓				
Platform Controls							
Functional Graphic Display Panel			✓				
Bucket Control Power			✓				
High Range / Creep Mode			✓				
Raise / Lower			✓				
Extend / Retract			✓				
Rotation R / L			✓				
Self Leveling System/Emg. Stop/Disable			✓				
Leveling System Override			✓				
Hyd. Reservoir for Leveling System			✓				
Spot / Flood Lights / Ladder Lights			✓				
Panel Light, Alarm Silence			✓				
Manual and Remote Nozzle Controls			✓				
Master Streams, Aux. Discharges			✓				
Water Control Valves			✓				
Platform Folding Egress Ladder			✓				
Stokes Basket Arms, Lifting Eyes			✓				
Breathing Air Gauge and Hook Ups			✓				
Access/Egress Doors			✓				
Hand Tools / Holders			✓				
Waterway Controls							
5 Ladder Sections, Side Block Paths			✓				
Aerial Extension / Retraction Cylinders			✓				
Water Way Tubes			✓				
Turn Table Hydraulic Lines			✓				
Sheaves and Cables			✓				
Cable Track / Wiring Harness			✓				
Bucket Hydraulic Lines			✓				
Bucket Leveling Cylinders			✓				

- Daily Vehicle Check: Tower 151

Revised: 4/4/2010

Month/Year: June 2011

Shop #: 3140

Dates:		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri. 10	Sat.
Crew 1								
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 15th	6875	6880	6890	6898	6898	6898	6898
Engine Hrs:	1st and 15th	612	612	613	615	615	615	615
Aerial Hours	1st and 15th				228	228		
Generator Hours	1st and 15th							
Fuel Level: Capacity: 65 gallons		F	F	F	F	F	Full	F
Warning Lights, Buzzers, etc.								
Gauges & Instruments		✓	✓	✓	✓	✓	✓	✓
Oil/Air Pressure		✓	✓	✓	✓	✓	✓	✓
Oil/Transmission Temp.		✓	✓	✓	✓	✓	✓	✓
Coolant Temp.		✓	✓	✓	✓	✓	✓	✓
Electrical: Volts/Amps		✓	✓	✓	✓	✓	✓	✓
Radios/Headsets/Cell Phone/Pager		✓	✓	✓	✓	✓	✓	✓
Clipboard/Paperwork/Maps/Passport		✓	✓	✓	✓	✓	✓	✓
Safety Vest/Brush Shirt/Fire Shelter		✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights		✓	✓	✓	✓	✓	✓	✓
Supra Key / RAD Detector		✓	✓	✓	✓	✓	✓	✓
Thermal Camera (TIC) Batteries		✓	✓	✓	✓	✓	✓	✓
Lights: Running/Warning/Scene								
Code 3 Equipment		✓	✓	✓	✓	✓	✓	✓
Tires / Wheels		✓	✓	✓	✓	✓	✓	✓
10 Step Air Brake Check (see back)		✓	✓	✓	✓	✓	✓	✓
Detailed Aerial Check (see pg. 3)		✓	✓	✓	✓	✓	✓	✓
Aerial PTO - #1		✓	✓	✓	✓	✓	✓	✓
Hydraulic Generator PTO - #2		✓	✓	✓	✓	✓	✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)		✓	✓	✓	✓	✓	✓	✓
Water Tank Level 300 gallons		F	F	F		F	Full	F
Foam tank Level 30 gallons		F	F	F		F	Full	F
Daily Pump Check		✓	✓	✓		✓	✓	✓
Detailed Pump Check (see pg. 2)		✓	✓	✓		✓	✓	✓
Jump Bags (Airway/Trauma/Peds)								
O2 Level		✓	✓	✓		✓	✓	✓
ECG Monitor (Weekly Detail Check)		✓	✓	✓		✓	✓	✓
CEP Drug Box / RSI Drug Box		✓	✓	✓		✓	✓	✓
Suction Unit		✓	✓	✓		✓	✓	✓
Miscellaneous Supplies		✓	✓	✓		✓	✓	✓
Drinking Water		✓	✓	✓		✓	✓	✓
Hand Tools/Wild Land/Appliances								
Engineers Headset/Flashlights		✓	✓	✓		✓	✓	✓
Portable Extinguishers (ABC/PW)		✓	✓	✓		✓	✓	✓
Power Tools / Fuel Cans		✓	✓	✓		✓	✓	✓
Run Power Tools (see back)		✓	✓	✓		✓	✓	✓
Tool Bag/Tools/Slim Jim		✓	✓	✓		✓	✓	✓
Snake Box/Pole		✓	✓	✓		✓	✓	✓
Foam containers/Eductor		✓	✓	✓		✓	✓	✓
SCBA/Spare Air Bottles		✓	✓	✓		✓	✓	✓
Weekly SCBA Inspection (see pg. 2)		✓	✓	✓		✓	✓	✓
RIT Bag / Safety Ropes		✓	✓	✓		✓	✓	✓

Maintenance Schedule							
	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level			✓				
Hydraulic Leaks			✓				
Functional Graphic Display Panel			✓				
R / L Mid-Ship Stabilizers			✓				
Auxiliary Ground Pads			✓				
Rear Jacks			✓				
Front Cab Jacks			✓				
Stabilizer Interlock Graphic Display			✓				
Audible Warning System			✓				
Aux. Hydraulic Pump			✓				
Hydraulic Transfer / Upper Power			✓				
Emergency Hydraulic Pump/Controls			✓				
Turn Table Controls							
Breathing Air System Pressure			✓				
Raise / Lower			✓				
Extend / Retract			✓				
360 R / L Full Rotation @ 80 degrees			✓				
Functional Graphic Display Panel			✓				
Boom Lights - Alarm Test - Ladder Lights			✓				
PA / PPT Mike			✓				
Turn Table Flood Lights			✓				
Bucket Control Switch			✓				
Safety Override Switch's			✓				
Manual Hydraulic Override Controls			✓				
Pedestal Hydraulic Lines, Any Leaks			✓				
Safety Lines			✓				
Smart Boom Warning System							
Stabilizer Interlock Override							
Rotational Interlock System							
Emergency Hydraulic Controls							
Bucket Controls							
Functional Graphic Display Panel			✓				
Bucket Control Power			✓				
High Range / Creep Mode			✓				
Raise / Lower			✓				
Extend / Retract			✓				
Rotation R / L			✓				
Self Leveling System/Emg. Stop/Disable			✓				
Leveling System Override			✓				
Hyd. Reservoir for Leveling System			✓				
Spot / Flood Lights / Ladder Lights			✓				
Panel Light, Alarm Silence			✓				
Manual and Remote Nozzle Controls			✓				
Master Streams, Aux. Discharges							
Water Control Valves			✓				
Platform Folding Egress Ladder			✓				
Stokes Basket Arms, Lifting Eyes			✓				
Breathing Air Gauge and Hook Ups			✓				
Access/Egress Doors			✓				
Hand Tools / Holders			✓				
Aerial Extension / Retraction							
5 Ladder Sections, Slide Block Paths			✓				
Aerial Extension / Retraction Cylinders			✓				
Water Way Tubes			✓				
Turn Table Hydraulic Lines			✓				
Sheaves and Cables			✓				
Cable Track / Wiring Harness			✓				
Bucket Hydraulic Lines			✓				
Bucket Leveling Cylinders			✓				

Daily Vehicle Check: Tower 151

Revised: 4/4/2010

Month/Year: JUNE 2011

Shop #: 3140

Dates:		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1								
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 15th	6899	6899	6900		6901		6904
Engine Hrs:	1st and 15th	615	615	616		616		618
Aerial Hours	1st and 15th	228	228	228		228		
Generator Hours	1st and 15th			55.2				
Fuel Level:	Capacity: 65 gallons	FULL	FULL	FULL	F	FULL		3/8
CAB Controls/Instrumentation/Equipment								
Warning Lights, Buzzers, etc.		✓	✓	✓	✓	✓		✓
Gauges & Instruments		✓	✓	✓	✓	✓		✓
Oil/Air Pressure		✓	✓	✓	✓	✓		✓
Oil/Transmission Temp.		✓	✓	✓	✓	✓		✓
Coolant Temp.		✓	✓	✓	✓	✓		✓
Electrical: Volts/Amps		✓	✓	✓	✓	✓		✓
Radlos/Headsets/Cell Phone/Pager		✓	✓	✓	✓	✓		✓
Clipboard/Paperwork/Maps/Passport		✓	✓	✓	✓	✓		✓
Safety Vest/Brush Shirts/Fire Shelter		✓	✓	✓	✓	✓		✓
Survivor Flashlights		✓	✓	✓	✓	✓		4 ✓
Supra Key / RAD Detector		✓	✓	✓	✓	✓		✓
Thermal Camera (TIC) Batteries		✓	✓	✓	✓	✓		✓
Mechanical/Engine								
Lights: Running/warning/scene		✓	✓	✓	✓	✓		✓
Code 3 Equipment		✓	✓	✓	✓	✓		✓
Tires / Wheels			✓	✓	✓	✓		✓
10 Step Air Brake Check (see back)				*				
Detailed Aerial Check (see pg. 3)				*				
Aerial PTO - #1		✓	✓		✓	✓		✓
Hydraulic Generator PTO - #2		✓	✓	✓	✓	✓		✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)		*	✓		*	✓		
Water Tank Level 300 gallons		F	FULL	FULL	F	FULL		F
Foam tank Level 30 gallons		F	FULL	FULL	F	FULL		F
Daily Pump Check		✓	✓		✓			✓
Detailed Pump Check (see pg. 2)							*	✓
EMS Equipment								
Jump Bags(Airway/Trauma/Peds)		✓		✓	✓	✓		✓
O2 Level		1900		1700	1600	1600		1400
ECG Monitor (Weekly Detail Check)		✓		✓	✓	✓		✓
CEP Drug Box / RSI Drug Box				✓	✓			✓
Suction Unit		✓		✓	✓	✓		✓
Miscellaneous Supplies		✓		✓	✓	✓		✓
Drinking Water		✓		✓	✓	✓		✓
FIRE Equipment								
Hand Tools/Wild Land/Appliances		✓	✓	✓	✓	✓		✓
Engineers Headset/Flashlights		✓	✓	✓	✓	✓		✓
Portable Extinguishers(ABC/PW)		✓	✓	✓	✓	✓		✓
Power Tools / Fuel Cans		✓	✓	✓	✓	✓		✓
Run Power Tools (see back)			*			*		
Tool Bag/Tools/Slim Jim		✓	✓	✓	✓	✓		✓
Snake Box/Pole		✓	✓	✓	✓	✓		✓
Foam containers/Eductor		✓	✓	✓	✓	✓		✓
SCBA/Spare Air Bottles		✓	✓	✓	✓	✓		✓
Weekly SCBA Inspection (see pg. 2)							*	
RIT Bag / Safety Ropes		✓	✓	✓	✓	✓		✓

PPE Equipment Continued							
Safety Equipment: Cones, Flares	✓	✓	✓	✓	✓		
Wheel Chocks	✓	✓	✓	✓	✓		
Ladders	✓	✓	✓	✓	✓		
Portable Monitor w/ chains		-	-	-	-		

Daily Inspection Log Continued

SCBA Checks	Date	Sun. 6/12	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain		4500	4000+	4500	4000+	4500	*	
SCBA 2 Engineer		4500	↓	4500	↓	4500	*	
SCBA 3 FF #1		4500	↓	4200	↓	4200	*	
SCBA 4 FF #2		4500	↓	4500	↓	4300	*	
RIC BAG							*	
Voice Emitters		4	4	4	4	4		
Spare Air Bortos								
Spare 1		4500		4500		4500	*	
Spare 2		4500		4500		4500	*	
Spare 3		4500		4000		4000	*	
Spare 4		4500		4500		4200	*	
Spare 5		4500		4200		4300	*	
Spare 6		4000		4000	✓	4000	*	

WEEKLY INSPECTIONS

Daily Inspection Check Mechanical		Sun.	Wed.	10 Step Air-Brake Check		Tues.
Check Fluids	Dates	6/12	6/16			
Engine Oil		✓	✓			
Transmission						
Coolant		✓	✓			
Brake/Air Pressure		✓	✓			
Power Steering		✓	✓			
Wiper Fluid		✓	✓			
Check Battery/Battery		✓	✓			
Check Belts/Hoses		✓	✓			
Check Breather Valve/Transmission		✓	✓			
Check Front Brakes & Lines		✓	✓			
Check Rear Brakes and Lines		✓	✓			
Ck Suspension/Steering Components		✓	✓			
Check Drive Line		✓	✓			
Check for any Fluid Leaks/Note		✓	✓			
Check Front/Rear Tire Wear/Tread		✓	✓			

						Hydraulic Generator	✓	✓
Check Tire Pressures		LF 120	RF 120	LF	RF	Portable Generator	✓	✓
All at 120 O = Outside I = Inside	2nd Axle	O-LR 120	O-RR 120	O-LR	O-RR	Fan's) 1 and 2	✓	✓
		I-LR 120	I-RR 120	I-LR	I-RR	Circular Saw/Blades	✓	✓
	3rd Axle	O-LR 120	O-RR 120	O-LR	O-RR	Chain Saw/Inspect Chain	✓	✓
		I-LR 120	I-RR 120	I-LR	I-RR	Power plant-Rescue Tool	✓	✓
						Spreaders Cutters	✓	✓

Daily Inspection Check

Check gauges;	Date	Sat.
Engine RPM		
Temperature		
Fuel		
Check Pump Volt/Amps		
Inspect/Operate Drain Valves		
Inspected all Intakes/Discharges		
Check Priming Pump Operation		
Check Proper Operation of Relief Valve		
Flush & Drain Discharges		
1st Sat. of month Flush and Refill Tank		
Foam System Operational Check		

10 Step Air-Brake Check	Tues.
1. Air Chambers, Air lines	
2. Check Drums/Disc, Shoes/Pads	
3. Test Low Air-Pressure Warning	
4. Automatic Spring Brake Set	
5. Rate of Air-Pressure Build up	
6. Test Air Leakage Rate	
7. Check Air-Compressor Governor Cut In/Out	

	Mon.	Thurs.
Hydraulic Generator	✓	✓
Portable Generator	✓	✓
Fan's 1 and 2	✓	✓
Circular Saw/Blades	✓	✓
Chain Saw/Inspect Chain	✓	✓
Power plant-Rescue Tool	✓	✓
Spreaders Cutters	✓	✓
Short ram Long Ram	-	-
Inspect Saws-all	✓	
Refuel as Needed	✓	✓
Check Maint. Tag	-	
Inspect Ladders/Halyards/Locks/etc.		✓

Perform Weekly SCBA Inspections	
(See Weekly SCBA Inspection Sheet)	
Date:	Initials:
Date:	Initials:

Weekly Aerial Inspection Checks							
Stabilization System - Dates	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level				✓			
Hydraulic Leaks				✓			
Functional Graphic Display Panel				✓			
R / L Mid-Ship Stabilizers				✓			
Auxiliary Ground Pads				✓			
Rear Jacks				✓			
Front Cab Jacks				✓			
Stabilizer Interlock Graphic Display				✓			
Audible Warning System				✓			
Aux. Hydraulic Pump				✓			
Hydraulic Transfer / Upper Power				✓			
Emergency Hydraulic Pump/Controls				✓			
Turn Table and Controls							
Breathing Air System Pressure				5000			
Raise / Lower				✓			
Extend / Retract				✓			
360 R / L Full Rotation @ 80 degrees				✓			
Functional Graphic Display Panel				✓			
Boom lights - Alarm Test - Ladder Lights				✓			
PA / PPT Mike				✓			
Turn Table Flood Lights				✓			
Bucket Control Switch				✓			
Safety Override Switch's				✓			
Manual Hydraulic Override Controls				✓			
Pedestal Hydraulic Lines, Any Leaks				✓			
Safety Lines				✓			
Smart Boom Warning System				✓			
Stabilizer Interlock Override				✓			
Rotational Interlock System				✓			
Emergency Hydraulic Controls				✓			
Platform Controls							
Functional Graphic Display Panel				✓			
Bucket Control Power				✓			
High Range / Creep Mode				✓			
Raise / Lower				✓			
Extend / Retract				✓			
Rotation R / L				✓			
Self Leveling System/Emg. Stop/Disable				✓			
Leveling System Override				✓			
Hyd. Reservoir for Leveling System				✓			
Spot / Flood Lights / Ladder Lights				✓			
Panel Light, Alarm Silence				✓			
Manual and Remote Nozzle Controls				✓			
Master Streams, Aux. Discharges				✓			
Water Control Valves				✓			
Platform Folding Egress Ladder				✓			
Stokes Basket Arms, Lifting Eyes				✓			
Breathing Air Gauge and Hook Ups				✓			
Access/Egress Doors				✓			
Hand Tools / Holders				✓			
Visual Inspection of Aerial Apparatus							
5 Ladder Sections, Slide Block Paths				✓			
Aerial Extension / Retraction Cylinders				✓			
Water Way Tubes				✓			
Turn Table Hydraulic Lines				✓			
Sheaves and Cables				✓			
Cable Track / Wiring Harness				✓			
Bucket Hydraulic Lines				✓			
Bucket Leveling Cylinders				✓			

Daily Vehicle Check: Tower 151

Revised: 4/4/2010

Month/Year: June 2011

Shop #: 3140

Dates:		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri. 10	Sat.
Crew 1								
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 15th	6879	6880	6890	6898	6898	6898	6898
Engine Hrs:	1st and 15th	612	612	613	615	615	615	615
Aerial Hours	1st and 15th				228	228		
Generator Hours	1st and 15th							
Fuel Level:	Capacity: 65 gallons	F	F	F	F	F	Full	F
Warning Lights, Buzzers, etc.								
Warning Lights, Buzzers, etc.		✓	✓	✓	✓	✓	✓✓	✓
Gauges & Instruments		✓	✓	✓	✓	✓	✓✓	✓
Oil/Air Pressure		✓	✓	✓	✓	✓	✓	✓
Oil/Transmission Temp.		✓	✓	✓	✓	✓	✓	✓
Coolant Temp.		✓	✓	✓	✓	✓	✓	✓
Electrical: Volts/Amps		✓	✓	✓	✓	✓	✓	✓
Radios/Headsets/Cell Phone/Pager		✓	✓	✓	✓	✓	✓✓	✓
Clipboard/Paperwork/Maps/Passport		✓	✓	✓	✓	✓	✓✓✓	✓
Safety Vest/Brush Shirts/Fire Shelter		✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights		4	4	4	4	4	4	4
Supra Key / RAD Detector		✓	✓	✓	✓	✓	✓	✓
Thermal Camera (TIC) Batteries		✓	✓	✓	✓	✓	✓	✓
Mechanical/Physical								
Lights: Running/warning/scene		✓	✓	✓	✓	✓	✓✓✓	✓
Code 3 Equipment		✓	✓	✓	✓	✓	✓	✓
Tires / Wheels		✓	✓	✓	✓	✓	✓	✓
10 Step Air Brake Check (see back)								
Detailed Aerial Check (see pg. 3)								
Aerial PTO - #1		✓	✓	✓	✓	✓		
Hydraulic Generator PTO - #2		✓	✓	✓	✓	✓		
Cab / Hood Tilt-Eng. Inspect (see pg. 2)		✓	✓	✓	✓	✓		
Water Tank Level 300 gallons		F	F	F		F	Full	F
Foam tank Level 30 gallons		F	F	F		F	Full	F
Daily Pump Check		✓	✓	✓		✓		✓
Detailed Pump Check (see pg. 2)								
EMS Equipment								
Jump Bags (Airway/Trauma/Peds)		✓✓✓	✓	✓		✓	✓✓	✓
O2 Level		1700	1700	1700		1700	1700	1600
ECG Monitor (Weekly Detail Check)		✓	✓	✓		✓	✓	✓
CEP Drug Box / RSI Drug Box		✓	✓	✓		✓	✓	✓
Suction Unit		✓	✓	✓		✓	✓	✓
Miscellaneous Supplies		✓	✓	✓		✓	✓	✓
Drinking Water		✓	✓	✓		✓	✓	✓
Fire Equipment								
Hand Tools/Wild Land/Appliances		✓	✓	✓		✓	✓✓✓	✓
Engineers Headset/Flashlights		✓	✓	✓		✓	✓✓	✓
Portable Extinguishers (ABC/PW)		✓	✓	✓		✓	✓✓	✓
Power Tools / Fuel Cans		✓	✓	✓		✓	✓✓	✓
Run Power Tools (see back)			✓			✓		
Tool Bag/Tools/Slim Jim		✓	✓	✓		✓	✓✓	✓
Snake Box/Pole		✓	✓	✓		✓	✓	✓
Foam containers/Eductor		✓	✓	✓		✓	✓	✓
SCBA/Spare Air Bottles		✓	✓	✓		✓	✓✓	✓
Weekly SCBA Inspection (see pg. 2)							✓	
RIT Bag / Safety Ropes		✓	✓	✓		✓	✓	✓

EQUIPMENT CONTAINER							
Safety Equipment: Cones, Flares		✓				✓	
Wheel Chocks		✓				✓	
Ladders		✓				✓	
Portable Monitor w/ chains						✓	

Daily Inspection Continues		Requirements						
Inspector		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1	Captain	4500	4000 +			4000 +	* 4500	4200
SCBA 2	Engineer	4500	↓				* 4500	
SCBA 3	Engineer	4500	↓				* 4500	
SCBA 4	FF #2	4500	↓				* 4500	
RIC BAG								
Vehicle		4	4			4		

SPARE PARTS							
Spare 1	4500	4000+	4500		4000+	* 4500	
Spare 2	4500		4500			* 4500	
Spare 3	4500		4500			* 4500	
Spare 4	4500		4000			* 4000	
Spare 5	4300		4100			* 4100	
Spare 6	4200		4200			* 4200	

WEEKLY INSPECTIONS							
Check Fluids		Sun.	Wed.	10 Step Air-Brake Check			

Engine Oil	✓			1. Air Chambers, Air lines	✓
Transmission	✓			2. Check Drums/Disc, Shoes/Pads	✓
Coolant	✓			3. Test Low Air-Pressure Warning	✓
Brake/Air Pressure	✓			4. Automatic Spring Brake Set	✓
Power Steering	✓			5. Rate of Air-Pressure Build up	✓
Wiper Fluid	✓			6. Test Air Leakage Rate	✓
Check Battery/Battery	✓			7. Check Air-Compressor Governor	✓
Check Belts/Hoses	✓			Cut In/Out	✓
Check Breather Valve/Transmission	✓				
Check Front Brakes & Lines	✓				
Check Rear Brakes and Lines	✓				
Check Suspension/Steering Components	✓				
Check Drive Line	✓				
Check for any Fluid Leaks/Note	✓				
Check Front/Rear Tire Wear/Tread	✓				

Check Tire Pressures		LF	RF	LF	RF	Hydraulic Generator		Mon.	Thurs.
All at 120	2nd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120	Portable Generator		✓	✓
O = Outside		I-LR 120	I-RR 120	I-LR 120	I-RR 120	Fan's 1 and 2		✓	✓
I = Inside	3rd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120	Circular Saw/Blades		✓	✓
		I-LR 120	I-RR 120	I-LR 120	I-RR 120	Chain Saw/Inspect Chain		✓	✓

Check gauges:		Date	Sat.	Short ram Long Ram		Mon.	Thurs.
Engine RPM			✓	Inspect Saws-all		✓	✓
Temperature			✓	Refuel as Needed		✓	✓
Fuel			✓	Check Maint. Tag			
Check Pump Volt/Amps			✓				
Inspect/Operate Drain Valves			✓				
Inspected all Intakes/Discharges			✓				
Check Priming Pump Operation			✓				
Check Proper Operation of Relief Valve			✓				
Flush & Drain Discharges			✓				
1st Sat. of month Flush and Refill Tank			✓				
Foam System Operational Check			✓				

Perform Weekly SCBA Inspections
(See Weekly SCBA Inspection Sheet)

Date: _____ Initials: _____

Date: _____ Initials: _____

Weekly Aerial Inspection Checklist							
Stabilization System - Dates	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level			✓				
Hydraulic Leaks			✓				
Functional Graphic Display Panel			✓				
R / L Mid-Ship Stabilizers			✓				
Auxiliary Ground Pads			✓				
Rear Jacks			✓				
Front Cab Jacks			✓				
Stabilizer Interlock Graphic Display			✓				
Audible Warning System			✓				
Aux. Hydraulic Pump			✓				
Hydraulic Transfer / Upper Power			✓				
Emergency Hydraulic Pump/Controls			✓				
Turn Table and Controls							
Breathing Air System Pressure			✓				
Raise / Lower			✓				
Extend / Retract			✓				
360 R / L Full Rotation @ 80 degrees			✓				
Functional Graphic Display Panel			✓				
Boom lights - Alarm Test - Ladder Lights			✓				
PA / PPT Mike			✓				
Turn Table Flood Lights			✓				
Bucket Control Switch			✓				
Safety Override Switch's			✓				
Manual Hydraulic Override Controls			✓				
Pedestal Hydraulic Lines, Any Leaks			✓				
Safety Lines			✓				
Smart Boom Warning System			✓				
Stabilizer Interlock Override			✓				
Rotational Interlock System			✓				
Emergency Hydraulic Controls			✓				
Platform - Controls							
Functional Graphic Display Panel			✓				
Bucket Control Power			✓				
High Range / Creep Mode			✓				
Raise / Lower			✓				
Extend / Retract			✓				
Rotation R / L			✓				
Self Leveling System/Emg. Stop/Disable			✓				
Leveling System Override			✓				
Hyd. Reservoir for Leveling System			✓				
Spot / Flood Lights / Ladder Lights			✓				
Panel Light, Alarm Silence			✓				
Manual and Remote Nozzle Controls			✓				
Master Streams, Aux. Discharges			✓				
Water Control Valves			✓				
Platform Folding Egress Ladder			✓				
Stokes Basket Arms, Lifting Eyes			✓				
Breathing Air Gauge and Hook Ups			✓				
Access/Egress Doors			✓				
Hand Tools / Holders			✓				
Visual Inspection and Test			✓				
5 Ladder Sections, Slide Block Paths			✓				
Aerial Extension / Retraction Cylinders			✓				
Water Way Tubes			✓				
Turn Table Hydraulic Lines			✓				
Sheaves and Cables			✓				
Cable Track / Wiring Harness			✓				
Bucket Hydraulic Lines			✓				
Bucket Leveling Cylinders			✓				

Missing or damaged equipment, please note any discrepancies

6/16 O'CAMPO NOTICED A TAX TOOL MISSING

- Daily Vehicle Check: Tower 151

Revised: 9/12/2010

4/25 6/25

Month/Year: June 11

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th		6927	6942	6946	6976	6990	7001
Engine Hrs: 1st and 15th		623	625	627	629	631	634
Aerial Hours 1st and 15th				228.9			
Generator Hours 1st and 15th				56.3			
Fuel Level: Capacity: 65 gallons	F	3/16	F	7/8	Full	7/8	F
Cab Controls/Instrumentation/Equipment							
Warning Lights, Buzzers, etc.	✓	✓	✓	✓	✓	✓	✓
Gauges & Instruments	✓	✓	✓	✓	✓	✓	✓
Oil/Air Pressure	✓	*✓	✓	✓	✓	✓	✓
Oil/Transmission Temp.	✓	✓	✓	✓	✓	✓	✓
Coolant Temp.	✓	✓	✓	✓	✓	✓	✓
Electrical: Volts/Amps	✓	✓	✓	✓	✓	✓	✓
Radios/Headsets/Cell Phone/Pager	✓	✓/1-1-	✓	✓	✓	✓	✓
Clipboard/Paperwork/Maps/Passport	✓	✓/1-1-	✓	✓	✓	✓	✓
Safety Vest/Brush Chute/Fire Shelter	✓	✓/1-1-	✓	✓/1-1-	✓/1-1-	✓/1-1-	✓
Survivor Flashlights	4	✓x4	4	✓x4	✓/1-1-	✓	4
Supra Key / RAD Detector	✓	✓/1-	✓	✓	✓	✓/1-	✓
Thermal Camera (TIC) Batteries	✓	✓	✓	✓	✓	✓	✓
Mechanical/Electrical							
Lights: Running/warning/scene	✓	✓	✓	✓	✓	✓	✓
Code 3 Equipment	✓	✓	✓	✓	✓	✓	✓
Tires / Wheels	✓	✓	✓	✓	✓	✓	✓
10 Step Air Brake Check (see back)			✓				
Detailed Aerial Check (see pg. 3)				✓			
Aerial PTO - #1	✓	✓	✓	✓	✓	✓	✓
Hydraulic Generator PTO - #2	✓	✓	✓	✓	✓	✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)	✓			✓			
Water Tank Level 300 gallons	F	Full	F	Full	F ✓	Full	F
Foam tank Level 30 gallons	F	Full	F	Full	F ✓	Full	F
Daily Pump Check	✓	✓	✓	✓	✓	✓	✓
Detailed Pump Check (see pg. 2)							
FMS Equipment							
Jump Bags(Airway/Trauma/Peds)	✓	✓	✓	✓	✓	✓	✓
O2 Level	1400	1400	1400	1400	1500	1600	1500
ECG Monitor	✓	✓	✓	✓	✓	✓	✓
CEP Drug Box / RSI Drug Box	✓	✓RH	✓	✓RH	✓	✓	✓
Suction Unit	✓	✓	✓	✓	✓	✓	✓
Miscellaneous Supplies	✓	✓	✓	✓	✓	✓	✓
Drinking Water	✓	✓	✓	✓	✓	✓	✓
FIRE Equipment							
Hand Tools/Wild Land/Appliances	✓	✓	✓	✓	✓	✓	✓
Engineers Headset/Flashlights	✓	✓	✓	✓	✓	✓	✓
Portable Extinguishers(ABC/PW)	✓	✓	✓	✓	✓	✓	✓
Power Tools / Fuel Cans	✓	✓	✓	✓	✓	✓	✓
Run Power Tools (see back)		✓			✓		
Tool Bag/Tools/Slim Jim	✓	✓	✓	✓	✓	✓	✓
Snake Box/Pole	✓	✓	✓	✓	✓	✓	✓
Foam containers/Eductor	✓	✓	✓	✓	✓	✓	✓
SCBA/Spare Air Bottles	✓	✓	✓	✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)		✓			✓	✓	
RIT Bag / Safety Ropes	✓	✓		✓	✓	✓	✓

FIRE EQUIPMENT (Continued)							
Safety Equipment: Cones, Flares	✓	✓	✓		✓	✓	
Wheel Chocks	✓	✓	✓		✓	✓	
Ladders	✓	✓	✓		✓	✓	
Portable Monitor w/ chains							

DAILY INSPECTIONS (Continued)

SCBA	Pressure	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain		4000	4000	4000		4200	*4300	
SCBA 2 Engineer		4500	4500	4500		4300	*4500	
SCBA 3 FF #1		4500	4500	4500		4500	*4500	4500
SCBA 4 FF #2		4500	4500	4500		4500	*4500	4100
RIC BAG								
Voice Recorder # of		4	4	4		4	4	4
Spare Air Bottles								
Spare 1		4000	4000	4000		4300	*	4500
Spare 2		4500	4500	4500		4300	*	4500
Spare 3		4500	4500	4200		4400	*	4200
Spare 4		4500	4000	4000		4500	*	4500
Spare 5		4500	4000	4000		4500	*	4500
Spare 6			4400	4400		4200	*	4200

WEEKLY INSPECTIONS

Check Fluids	Sun.	Wed.	Tues.	Thurs.	Fri.	Sat.
Engine Oil	✓					
Transmission	✓					
Coolant	✓					
Brake/Air Pressure	✓					
Power Steering	✓					
Wiper Fluid	✓					
Check Battery	✓					
Check Belts/Hoses	✓					
Check Breather Valve/Transmission	✓					
Check Front Brakes & Lines	✓					
Check Rear Brakes and Lines	✓					
Check Suspension/Steering Components	✓					
Check Drive Line	✓					
Check for any Fluid Leaks/Note	✓					
Check Front/Rear Tire Wear/Tread	✓					

Check Tire Pressures	LF 120	RF 120	LF 120	RF 120
All at 120				
2nd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120
3rd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120

Check gauges:	Date	Sat.
Engine RPM		
Temperature		
Fuel		
Check Pump Vol/Amps		
Inspect/Operate Drain Valves		
Inspected all Intakes/Discharges		
Check Priming Pump Operation		
Check Proper Operation of Relief Valve		
Flush & Drain Discharges		
1st Sat. of month Flush and Refill Tank		
Foam System Operational Check		

10 Step Air-Brake Check	Tues.
1. Air Chambers, Air lines	✓
2. Check Drums/Disc, Shoes/Pads	✓
3. Test Low Air-Pressure Warning	✓
4. Automatic Spring Brake Set	✓
5. Rate of Air-Pressure Build up	✓
6. Test Air Leakage Rate	✓
7. Check Air-Compressor Governor Cut In/Out	✓

	Mon.	Thurs.
Hydraulic Generator	✓	✓
Portable Generator	✓	✓
Fan's 1 and 2	✓	✓
Circular Saw/Blades	✓	✓
Chain Saw/Inspect Chain	✓	✓
Power plant-Rescue Tool	✓	✓
Spreaders Cutters	✓	✓
Short ram Long Ram	✓	✓
Inspect Saws-all	✓	✓
Refuel as Needed	✓	✓
Check Maint. Tag	✓	✓
Inspect Ladders/Halyards/Locks/etc.		✓

Perform Weekly SCBA Inspections	Date:	Initials:
(See Weekly SCBA Inspection Sheet)		
Date:		
Initials:		

Weekly Aerial Inspection Check							
Stabilization System - Dates	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level			✓				
Hydraulic Leaks			✓				
Functional Graphic Display Panel			✓				
R / L Mid-Ship Stabilizers			✓				
Auxiliary Ground Pads			✓				
Rear Jacks			✓				
Front Cab Jacks			✓				
Stabilizer Interlock Graphic Display			✓				
Audible Warning System			✓				
Aux. Hydraulic Pump			✓				
Hydraulic Transfer / Upper Power			✓				
Emergency Hydraulic Pump/Controls			✓				
Turn Table and Controls							
Breathing Air System Pressure	5000		5000				
Raise / Lower			✓				
Extend / Retract			✓				
360 R / L Full Rotation @ 80 degrees			✓				
Functional Graphic Display Panel			✓				
Boom lights - Alarm Test - Ladder Lights			✓				
PA / PPT Mike			✓				
Turn Table Flood Lights			✓				
Bucket Control Switch			✓				
Safety Override Switch's			✓				
Manual Hydraulic Override Controls			✓				
Pedestal Hydraulic Lines, Any Leaks			✓				
Safety Lines			✓				
Smart Boom Warning System			✓				
Stabilizer Interlock Override			✓				
Rotational Interlock System			✓				
Emergency Hydraulic Controls			✓				
Platform Controls, Egress							
Functional Graphic Display Panel			✓				
Bucket Control Power			✓				
High Range / Creep Mode			✓				
Raise / Lower			✓				
Extend / Retract			✓				
Rotation R / L			✓				
Self Leveling System/Emg. Stop/Disable			✓				
Leveling System Override			✓				
Hyd. Reservoir for Leveling System			✓				
Spot / Flood Lights / Ladder Lights			✓				
Panel Light, Alarm Silence			✓				
Manual and Remote Nozzle Controls			✓				
Master Streams, Aux. Discharges							
Water Control Valves			✓				
Platform Folding Egress Ladder			✓				
Stokes Basket Arms, Lifting Eyes			✓				
Breathing Air Gauge and Hook Ups			✓				
Access/Egress Doors			✓				
Hand Tools / Holders			✓				
Aerial Extension Controls and Components							
5 Ladder Sections, Slide Block Paths			✓				
Aerial Extension / Retraction Cylinders			✓				
Water Way Tubes			✓				
Turn Table Hydraulic Lines			✓				
Sheaves and Cables			✓				
Cable Track / Wiring Harness			✓				
Bucket Hydraulic Lines			✓				
Bucket Leveling Cylinders			✓				

Missing or damaged equipment - please list any discrepancies

[illegible]

Daily Vehicle Check: Tower 151

Revised: 9/12/2010

Month/Year: June 2011

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage:	1st and 15th	7014	7015	7015	7015	7015	7015
Engine Hrs:	1st and 15th	637	637	637	637	637	637
Aerial Hours	1st and 15th	229	229	229	229	229	229
Generator Hours	1st and 15th						
Fuel Level: Capacity: 65 gallons		7/8	7/8	7/8	7/8	7/8	7/8
Can Controls/Instrumentation/Equipment							
Warning Lights, Buzzers, etc.		✓	✓	✓		✓	✓
Gauges & Instruments		✓	✓	✓		✓	✓
Oil Pressure		✓	✓	✓		✓	✓
Oil/Transmission Temp.		✓	✓	✓		✓	✓
Coolant Temp.		✓	✓	✓		✓	✓
Electrical: Volts/Amps		✓	✓	✓		✓	✓
Radios/Headsets/Cell Phone/Pager		✓	✓	✓		✓	✓
Clipboard/Paperwork/Maps/Passport		✓	✓	✓		✓	✓
Safety Vest/Brush/Chains/Tools		✓	✓	✓		✓	✓
Survivor Flashlights		✓	✓	✓		✓	✓
Supra Key / RAD Detector		✓	✓	✓		✓	✓
Thermal Camera (TIC) Batteries		✓	✓	✓		✓	✓
Mechanical/Inspection							
Lights: Running/warning/scene		✓	✓	✓		✓	✓
Code 3 Equipment		✓	✓	✓		✓	✓
Tires / Wheels		✓	✓	✓		✓	✓
10 Step Air Brake Check (see back)		✓	✓	✓		✓	✓
Detailed Aerial Check (see pg. 3)		✓	✓	✓		✓	✓
Aerial PTO - #1		✓	✓	✓		✓	✓
Hydraulic Generator PTO - #2		✓	✓	✓		✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)		✓	✓	✓		✓	✓
Water Tank Level 300 gallons		✓	✓	✓		✓	✓
Foam tank Level 30 gallons		✓	✓	✓		✓	✓
Daily Pump Check		✓	✓	✓		✓	✓
Detailed Pump Check (see pg. 2)		✓	✓	✓		✓	✓
EMS Equipment							
Jump Bags (Airway/Trauma/Peds)		✓	✓	✓		✓	✓
O2 Level		✓	✓	✓		✓	✓
ECG Monitor		✓	✓	✓		✓	✓
CEP Drug Box / RSI Drug Box		✓	✓	✓		✓	✓
Suction Unit		✓	✓	✓		✓	✓
Miscellaneous Supplies		✓	✓	✓		✓	✓
Drinking Water		✓	✓	✓		✓	✓
FIRE Equipment							
Hand Tools/Wild Land/Appliances		✓	✓	✓		✓	✓
Engineers Headset/Flashlights		✓	✓	✓		✓	✓
Portable Extinguishers (ABC/PW)		✓	✓	✓		✓	✓
Power Tools / Fuel Cans		✓	✓	✓		✓	✓
Run Power Tools (see back)		✓	✓	✓		✓	✓
Tool Bag/Tools/Slim Jim		✓	✓	✓		✓	✓
Snake Box/Pole		✓	✓	✓		✓	✓
Foam containers/Eductor		✓	✓	✓		✓	✓
SCBA/Spare Air Bottles		✓	✓	✓		✓	✓
Weekly SCBA Inspection (see pg. 2)		✓	✓	✓		✓	✓
RIT Bag / Safety Ropes		✓	✓	✓		✓	✓

Weekly Aerial Inspection Checklist							
Stabilization System - Bates	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level							
Hydraulic Leaks							
Functional Graphic Display Panel							
R / L Mid-Ship Stabilizers							
Auxiliary Ground Pads							
Rear Jacks							
Front Cab Jacks							
Stabilizer Interlock Graphic Display							
Audible Warning System							
Aux. Hydraulic Pump							
Hydraulic Transfer / Upper Power							
Emergency Hydraulic Pump/Controls							
Turntable and Controls							
Breathing Air System Pressure							
Raise / Lower							
Extend / Retract							
360 R / L Full Rotation @ 80 degrees							
Functional Graphic Display Panel							
Boom lights - Alarm Test - Ladder Lights							
PA / PPT Mike							
Turn Table Flood Lights							
Bucket Control Switch							
Safety Override Switch's							
Manual Hydraulic Override Controls							
Pedestal Hydraulic Lines, Any Leaks							
Safety Lines							
Smart Boom Warning System							
Stabilizer Interlock Override							
Rotational Interlock System							
Emergency Hydraulic Controls							
Platform - Controls - Bates							
Functional Graphic Display Panel							
Bucket Control Power							
High Range / Creep Mode							
Raise / Lower							
Extend / Retract							
Rotation R / L							
Self Leveling System/Emg. Stop/Disable							
Leveling System Override							
Hyd. Reservoir for Leveling System							
Spot / Flood Lights / Ladder Lights							
Panel Light, Alarm Silence							
Manual and Remote Nozzle Controls							
Master Streams, Aux. Discharges							
Water Control Valves							
Platform Folding Egress Ladder							
Stokes Basket Arms, Lifting Eyes							
Breathing Air Gauge and Hook Ups							
Access/Egress Doors							
Hand Tools / Holders							
Visual Inspection of Aerial Components							
5 Ladder Sections, Slide Block Paths							
Aerial Extension / Retraction Cylinders							
Water Way Tubes							
Turn Table Hydraulic Lines							
Sheaves and Cables							
Cable Track / Wiring Harness							
Bucket Hydraulic Lines							
Bucket Leveling Cylinders							

- Daily Vehicle Check: Tower 151

Revised: 9/12/2010

Month/Year: 7-11

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th	7015		7016	7017	7018	7018	7019
Engine Hrs: 1st and 15th	637		637	638	639	639	639
Aerial Hours 1st and 15th	229				F	Full	F
Generator Hours 1st and 15th							
Fuel Level: Capacity: 65 gallons	7/8			F			
Mechanical/Electrical							
Warning Lights, Buzzers, etc.	✓		✓	✓	✓	✓	
Gauges & Instruments	✓		✓	✓	✓	✓	
Oil/Air Pressure	✓		✓	✓	✓	*✓	
Oil/Transmission Temp.	✓		✓	✓	✓	✓	
Coolant Temp.	✓		✓	✓	✓	✓	
Electrical: Volts/Amps	✓		✓	✓	✓	✓ 14.0	
Radios/Headsets/Cell Phone/Pager	✓		✓	✓	✓	✓ 14.0	
Clipboard/Paperwork/Maps/Passport	✓		✓	✓	✓	✓	
Safety Vest/Brush Shirts/Fire Shelter	✓		✓	✓	✓	✓	
Survivor Flashlights	✓		✓	✓	✓	✓	
Supra Key / RAD Detector	✓		✓	✓	✓	✓	
Thermal Camera (TIC) Batteries	✓		✓	✓	✓	✓	
Mechanical/Electrical							
Lights: Running/warning/scene	✓		✓	✓	✓	✓	
Code 3 Equipment	✓		✓	✓	✓	✓	
Tires / Wheels	✓		✓	✓	✓	✓	
10 Step Air Brake Check (see back)			✓				
Detailed Aerial Check (see pg. 3)				✓			
Aerial PTO - #1	✓		✓	✓	✓	✓	
Hydraulic Generator PTO - #2	✓		✓	✓	✓	✓	
Cab / Hood Tilt-Eng. Inspect (see pg. 2)	✓						
Water Tank Level 300 gallons	✓		✓	✓	✓	✓	
Foam tank Level 30 gallons	✓		✓	✓	✓	✓	
Daily Pump Check	✓		✓	✓	✓	✓	
Detailed Pump Check (see pg. 2)							
EUS Equipment							
Jump Bags(Airway/Trauma/Peds)	✓		✓	✓	✓	✓	
O2 Level			1500	1850	1500	1800	
ECG Monitor	✓		✓	✓	✓	✓	
CEP Drug Box / RSI Drug Box	✓		✓	✓	✓	✓	
Suction Unit	✓		✓	✓	✓	✓	
Miscellaneous Supplies	✓		✓	✓	✓	✓	
Drinking Water	✓		✓	✓	✓	✓	
Fire Equipment							
Hand Tools/Wild Land/Appliances				✓	✓	✓	
Engineers Headset/Flashlights	✓		✓	✓	✓	✓	
Portable Extinguishers(ABC/PW)	✓		✓	✓	✓	✓	
Power Tools / Fuel Cans	✓		✓	✓	✓	✓	
Run Power Tools (see back)							
Tool Bag/Tools/Slim Jlm	✓		✓	✓	✓	✓	
Snake Box/Pole	✓		✓	✓	✓	✓	
Foam containers/Eductor	✓		✓	✓	✓	✓	
SCBA/Spare Air Bottles	✓		✓	✓	✓	✓	
Weekly SCBA Inspection (see pg. 2)							
RIT Bag / Safety Ropes			✓	✓	✓	✓	

Air/Gas Monitor (check charge on Ed)

FIRE Equipment Continued							
Safety Equipment: Cones, Flares		✓				✓	✓
Wheel Chocks		✓				✓	✓
Ladders		✓				✓	✓
Portable Monitor w/ chains						✓	✓

SCBA Inspection Continued

SCBA Check	Date	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain		4000+	4000+	4000+		4000+	*4500	
SCBA 2 Engineer		✓	✓	✓		✓	*4500	
SCBA 3 FF #1		✓	✓	✓		✓	*4000	
SCBA 4 FF #2						✓	*4400	
RIC BAG							*	

Valve Checks

Spare Air Bubbles	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Spare 1	4000+	4000+	4000+		4000+	*4200	
Spare 2	✓	✓	✓		✓	*4100	
Spare 3						*4500	
Spare 4	✓	✓	✓		✓	*4400	
Spare 5	✓	✓	✓		✓	*4100	
Spare 6					✓	*4100	

Weekly Inspections

Check Fluids	Dates	Sun.	Wed.
Engines Oil	7-3	✓	✓
Transmission		✓	✓
Coolant		✓	✓
Brake/Air Pressure		✓	✓
Power Steering		✓	✓
Wiper Fluid		✓	✓
Check Battery Battery		✓	✓
Check Belts/Hoses		✓	✓
Check Breather Valve/Transmission		✓	✓
Check Front Brakes & Lines		✓	✓
Check Rear Brakes and Lines		✓	✓
Ck Suspension/Steering Components		✓	✓
Check Drive Line		✓	✓
Check for any Fluid Leaks/Note		✓	✓
Check Front/Rear Tire Wear/Tread		✓	✓

Check Tire Pressures	LF	RF	LF	RF
All at 120				
2nd Axle	O-LR	O-RR	O-LR	O-RR
	I-LR	I-RR	I-LR	I-RR
3rd Axle	O-LR	O-RR	O-LR	O-RR
	I-LR	I-RR	I-LR	I-RR

Engine and Pump Check

Check gauges:	Date	Sat.
Engine RPM		
Temperature		
Fuel		
Check Pump Vol/Amps		
Inspect/Operate Drain Valves		
Inspected all Intakes/Discharges		
Check Priming Pump Operation		
Check Proper Operation of Relief Valve		
Flush & Drain Discharges		
1st Sat. of month Flush and Refill Tank		
Foam System Operational Check		

10 Step Air-Brake Check	Tues.
1. Air Chambers, Air lines	✓
2. Check Drums/Disc, Shoes/Pads	✓
3. Test Low Air-Pressure Warning	✓
4. Automatic Spring Brake Set	✓
5. Rate of Air-Pressure Build up	✓
6. Test Air Leakage Rate	✓
7. Check Air-Compressor Governor Cut In/Out	

	Mon.	Thurs.
Hydraulic Generator		✓
Portable Generator		✓
Fan's 1 and 2		✓
Circular Saw/Blades		✓
Chain Saw/Inspect Chain		✓
Power plant-Rescue Tool		✓
Spreaders Cutters		✓
Short ram Long Ram		✓
Inspect Saws-all		✓
Refuel as Needed		✓
Check Maint. Tag		✓
		Thurs.
Inspect Ladders/Halyards/Locks/etc.		✓

Perform Weekly SCBA Inspections
(See Weekly SCBA Inspection Sheet)
Date: 7-8-11 Initials: DC
Date: 7-8-11 Initials: DC

Weekly Aerial Inspection Checks							
Stabilization System - Dates	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level				/			
Hydraulic Leaks				/			
Functional Graphic Display Panel				/			
R / L Mid-Ship Stabilizers				/			
Auxiliary Ground Pads				/			
Rear Jacks				/			
Front Cab Jacks				/			
Stabilizer Interlock Graphic Display				/			
Audible Warning System				/			
Aux. Hydraulic Pump				/			
Hydraulic Transfer / Upper Power				/			
Emergency Hydraulic Pump/Controls				/			
Turn Table and Controls							
Breathing Air System Pressure				/			
Raise / Lower				/			
Extend / Retract				/			
360 R / L Full Rotation @ 80 degrees				/			
Functional Graphic Display Panel				/			
Boom lights - Alarm Test - Ladder Lights				/			
PA / PPT Mike				/			
Turn Table Flood Lights				/			
Bucket Control Switch				/			
Safety Override Switch's				/			
Manual Hydraulic Override Controls				/			
Pedestal Hydraulic Lines, Any Leaks				/			
Safety Lines				/			
Smart Boom Warning System				/			
Stabilizer Interlock Override				/			
Rotational Interlock System				/			
Emergency Hydraulic Controls				/			
Platform Controls							
Functional Graphic Display Panel				/			
Bucket Control Power				/			
High Range / Creep Mode				/			
Raise / Lower				/			
Extend / Retract				/			
Rotation R / L				/			
Self Levelling System/Emg. Stop/Disable				/			
Leveling System Override				/			
Hyd. Reservoir for Leveling System				/			
Spot / Flood Lights / Ladder Lights				/			
Panel Light, Alarm Silence				/			
Manual and Remote Nozzle Controls				/			
Master Streams, Aux. Discharges				/			
Water Control Valves				/			
Platform Folding Egress Ladder				/			
Stokes Basket Arms, Lifting Eyes				/			
Breathing Air Gauge and Hook Ups				/			
Access/Egress Doors				/			
Hand Tools / Holders				/			
Water Inspection of Ladder/Lower Structural Components							
5 Ladder Sections, Slide Block Paths				/			
Aerial Extension / Retraction Cylinders				/			
Water Way Tubes				/			
Turn Table Hydraulic Lines				/			
Sheaves and Cables				/			
Cable Track / Wiring Harness				/			
Bucket Hydraulic Lines				/			
Bucket Leveling Cylinders				/			

Daily Vehicle Check: Tower 151

Revised: 9/12/2010

Month/Year: July 11

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th	7017	7019		7019	7023	1048	7080
Engine Hrs: 1st and 15th	639	639		640	641	643	647
Aerial Hours 1st and 15th	230.7			230.7	230.7		
Generator Hours 1st and 15th				56.7			
Fuel Level: Capacity: 65 gallons	FULL	F		FULL	7/8	F	3/4
Cab Controls/Instrument Panel/Equipment							
Warning Lights, Buzzers, etc.	✓	✓	✓	✓	✓	✓	✓
Gauges & Instruments	✓	✓	✓	✓	✓	✓	✓
Oil/Air Pressure	110/60	✓	✓	110/80	✓	✓	OK
Oil/Transmission Temp.	✓	✓	✓	✓	✓	✓	✓
Coolant Temp.	✓	✓	✓	✓	✓	✓	✓
Electrical: Volts/Amps	✓	✓	✓	✓	✓	✓	✓
Radios/Headsets/Cell Phone/Pager	✓x0	✓	✓	✓x0	✓	✓	✓
Clipboard/Paperwork/Maps/Passport	✓	✓	✓	✓	✓	✓	✓
Safety Vest/Brush Shirt/Fire Shelter	✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights SW/PTWATER	✓x4	4	4	✓	✓x4	✓	✓x9
Supra Key / RAD Detector	✓	✓	✓	✓	✓	✓	✓
Thermal Camera (TIC) Batteries	✓	✓	✓	✓	✓	✓	✓
Mechanical/Engine/Fluids							
Lights: Running/warning/scene	✓	✓	✓	✓	✓	✓	✓
Code 3 Equipment	✓	✓	✓	✓	✓	✓	✓
Tires / Wheels	✓	✓	✓	✓	✓	✓	✓
10 Step Air Brake Check (see back)			✓				
Detailed Aerial Check (see pg. 3)							
Aerial PTO - #1	✓	✓	✓		✓	✓	✓
Hydraulic Generator PTO - #2	✓	✓	✓		✓	✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)	✓		✓	✓			
Water Tank Level 300 gallons	1/2	F	FULL	FULL	FULL	FULL	FULL
Foam tank Level 30 gallons	FULL	F	FULL	FULL	FULL	FULL	FULL
Daily Pump Check	✓		✓		✓		✓
Detailed Pump Check (see pg. 2)							✓
EMS Equipment							
Jump Bags(Airway/Trauma/Peds)	✓	✓	✓	✓	✓	✓	✓
O2 Level		1400	1400	1400	2300	1500	1300
ECG Monitor	✓	✓	✓	✓	✓	✓	✓
CEP Drug Box / RSI Drug Box	✓	✓	✓	✓	✓	✓	✓
Suction Unit	✓	✓	✓	✓	✓	✓	✓
Miscellaneous Supplies	✓	✓	✓	✓	✓	✓	✓
Drinking Water	✓	✓	✓	✓	✓	✓	✓
FIRE Equipment							
Hand Tools/Wild Land/Appliances	✓	✓	✓	✓	✓	✓	✓
Engineers Headset/Flashlights	✓	✓	✓	✓	✓	✓	✓
Portable Extinguishers(ABC/PW)	✓	✓	✓	✓	✓	✓	✓
Power Tools / Fuel Cans	✓	✓	✓	✓	✓	✓	✓
Run Power Tools (see back)		✓			✓		✓
Tool Bag/Tools/Spare	✓	✓	✓	✓	✓	✓	✓
Snake Box/Pole	✓	✓	✓	✓	✓	✓	✓
Foam containers/Eductor	✓	✓	✓	✓	✓	✓	✓
SCBA/Spare Air Bottles	✓	✓	✓	✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)							
RIT Bag / Safety Ropes	✓	✓	✓	✓	✓	✓	✓
Air/Gas Monitor (check charge on Fri)	✓				✓		

Fire Equipment Continued							
Safety Equipment: Cones, Flares	✓	✓	✓	✓	✓	✓	✓
Wheel Chocks	✓	✓	✓	✓	✓	✓	✓
Ladders	✓	✓	✓	✓	✓	✓	✓
Portable Monitor w/ chains	✓	✓	✓	✓	✓	✓	✓

Daily Inspection Continued

SCBA Checks	Dates	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain		4000	4500	4200	4500	4500	*4500	4500
SCBA 2 Engineer		4500	4500	4200	4500	4500	*	↓
SCBA 3 FF #1		4500	4000	4500	4000	4500	*	↓
SCBA 4 FF #2		4200		4500	4500	4500	*	↓
RIC BAG		8			4		(4)	4

Spare Air Bottles

Spare 1	4000	4000	4000	4500	4500	*4500	4500
Spare 2	—	4500	—	4000	4400	*4400	4400
Spare 3	4000	4500	4500	4500	4500	*4500	4500
Spare 4	4500	4500	4500	4000	4500	*4500	4500
Spare 5	4000	4000	4000	4000	4500	*4500	4500
Spare 6	4000	4000	4000	4200	4500	*4500	4500

Weekly Inspections

CABIN/VEHICLE MECHANICAL		Sun.	Wed.	10 Step Air-Brake Check		Tues.
Check Fluids	Dates	7/19	✓			
Engine Oil		✓	✓	1. Air Chambers, Air lines		✓
Transmission		✓	✓	2. Check Drums/Disc, Shoes/Pads		✓
Coolant		✓	✓	3. Test Low Air-Pressure Warning		✓
Brake/Air Pressure		✓	✓	4. Automatic Spring Brake Set		—
Power Steering		✓	✓	5. Rate of Air-Pressure Build up		✓
Wiper Fluid		✓	✓	6. Test Air Leakage Rate		✓
Check Battery/Battery		✓	✓	7. Check Air-Compressor Governor		✓
Check Belts/Hoses		✓	✓	Cut In/Out		✓
Check Breather Valve/Transmission		✓	✓			
Check Front Brakes & Lines		✓	✓			
Check Rear Brakes and Lines		✓	✓			
Ck Suspension/Steering Components		✓	✓			
Check Drive Line		✓	✓			
Check for any Fluid Leaks/Note		✓	✓			
Check Front/Rear Tire Wear/Tread		✓	✓			

Check Tire Pressures	LF 115	RF 114	LF 120	RF 120	Mon.	Thurs.
All at 120						
O = Outside	2nd Axle	O-LR 115	O-RR 114	O-LR 120	O-RR 120	
I = Inside		I-LR 114	I-RR 114	I-LR 120	I-RR 120	
	3rd Axle	O-LR 115	O-RR 115	O-LR 120	O-RR 120	
		I-LR 114	I-RR 114	I-LR 120	I-RR 120	

Detailed Daily Log		Date	Sat.	Thurs.
Check gauges:			✓	
Engine RPM			✓	
Temperature			✓	
Fuel			✓	
Check Pump Volt/Amps			✓	
Inspect/Operate Drain Valves			✓	
Inspected all Intakes/Discharges			✓	
Check Priming Pump Operation			✓	
Check Proper Operation of Relief Valve			✓	
Flush & Drain Discharges			✓	
1st Sat. of month Flush and Refill Tank			✓	
Foam System Operational Check			✓	

Perform Weekly SCBA Inspections		Date	Initials
(See Weekly SCBA Inspection Sheet)		07/15/11	HH
		07/15/11	HH

WORKING AS OF 7/16

- Daily Vehicle Check: Tower 151

Revised: 4/4/2010

Month/Year: 7/11

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th	7104	7134	7168	7197	7174	7176	
Engine Hrs: 1st and 15th	650	654	658	659	660	660	
Aerial Hours 1st and 15th							22:17
Generator Hours 1st and 15th							
Fuel Level: Capacity: 65 gallons	7/8	F	Full		7/8	15/16	FULL -
Cab Controls/Instrumentation/Equipment							
Warning Lights, Buzzers, etc.	✓	✓	✓		✓	✓	✓
Gauges & Instruments	✓	✓	✓		✓	✓	✓
Oil/Air Pressure	✓	✓	✓		110/35	*✓	110/35
Oil/Transmission Temp.	✓	✓	✓		✓	✓	✓
Coolant Temp.	✓	✓	✓		✓	✓	✓
Electrical: Volts/Amps	✓	✓	✓		✓	✓	✓
Radios/Headsets/Cell Phone/Pager	✓	✓	✓		✓	✓	✓
Clipboard/Paperwork/Maps/Passport	✓	✓	✓		✓	✓	✓
Safety Vest/Brush Shirts/Fire Shelter	✓	✓	✓		✓	✓	✓
Survivor Flashlights	✓	✓	✓		✓	✓	✓
Supra Key / RAD Detector	✓	✓	✓		✓	✓	✓
Thermal Camera (TIC) Batteries	✓	✓	✓		✓	✓	✓
Mechanical/Performance							
Lights: Running/warning/scene	✓	✓	✓		✓	✓	✓
Code 3 Equipment	✓	✓	✓		✓	✓	✓
Tires / Wheels	✓	✓	✓		✓	✓	✓
10 Step Air Brake Check (see back)			✓				
Detailed Aerial Check (see pg. 3)			✓				
Aerial PTO - #1	✓	✓	✓		✓	✓	✓
Hydraulic Generator PTO - #2	✓	✓	✓		✓	✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)	* ✓			*			
Water Tank Level 300 gallons	F	F	Full		Full	Full	Full
Foam tank Level 30 gallons	F	F	Full		Full	Full	Full
Daily Pump Check			✓		✓	✓	✓
Detailed Pump Check (see pg. 2)							* ✓
EMS Equipment							
Jump Bags(Airway/Trauma/Peds)	✓	✓	✓		✓	✓	✓
O2 Level	1700	1300	1700		1300	1300	1300
ECG Monitor (Weekly Detail Check)	✓		✓		✓	✓	✓
CEP Drug Box / RSI Drug Box	✓	✓	✓		✓	✓	✓
Suction Unit	✓	✓	✓		✓	✓	✓
Miscellaneous Supplies	✓	✓	✓		✓	✓	✓
Drinking Water	✓	✓	✓		✓	✓	✓
Fire Equipment							
Hand Tools/Wild Land/Appliances		✓	✓		✓	✓	✓
Engineers Headset/Flashlights	✓	✓	✓		✓	✓	✓
Portable Extinguishers(ABC/PW)	✓	✓	✓		✓	✓	✓
Power Tools / Fuel Cans	✓	✓	✓		✓	✓	✓
Run Power Tools (see back)		* ✓			* ✓		
Tool Bag/Tools/Slim Jim	✓	✓	✓		✓	✓	✓
Snake Box/Pole	✓	✓	✓		✓	✓	✓
Foam containers/Eductor	✓	✓	✓		✓	✓	✓
SCBA/Spare Air Bottles	✓	✓	✓		✓	✓	✓
Weekly SCBA Inspection (see pg. 2)							
RE Bag / Safety Ropes	✓	✓	✓		✓	✓	✓
Air/Gas Monitor (check charge on Fri)							

FIRE EQUIPMENT - Continued							
Safety Equipment: Cones, Flares	✓	✓	✓	✓		✓	✓
Wheel Chocks	✓	✓	✓	✓		✓	✓
Ladders	✓	✓	✓	✓			✓
Portable Monitor w/ chains			-	+		-	-

DAILY LOGS - Continued

SCBA Checks		Dates	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1	Captain		4500	4500	4300	400		*4000	4500
SCBA 2	Engineer		4500	4500	4300			*	4500
SCBA 3	FF #1		4500	4500	4300			*	4500
SCBA 4	FF #2		4500	4500	4300			*✓	4500
RIC BAG								*	
Voice Emitters									
Spare Air Bottles									
Spare 1			4500	4500	4300			*	4500
Spare 2			4500	4500	4300			*	4500
Spare 3			4500	4500	4300			*	4500
Spare 4			4500	4500	4300			*	4500
Spare 5			4500	4500	4300			*	4500
Spare 6			4500	4500	4300			*	4500

WEEKLY INSPECTIONS

Check Fluids		Dates	Sun.	Wed.	10 Step Air-Brake Check		Tues.
Engine Oil		7/2	✓		1. Air Chambers, Air lines		✓
Transmission			✓		2. Check Drums/Disc, Shoes/Pads		✓
Coolant			✓		3. Test Low Air-Pressure Warning		✓
Brake/Air Pressure			✓		4. Automatic Spring Brake Set		✓
Power Steering			✓		5. Rate of Air-Pressure Build up		✓
Wiper Fluid			✓		6. Test Air Leakage Rate		✓
Check Battery/Battery			✓✓		7. Check Air-Compressor Governor Cut In/Out		✓
Check Belts/Hoses			✓				
Check Breather Valve/Transmission			✓				
Check Front Brakes & Lines			✓				
Check Rear Brakes and Lines			✓				
Check Suspension/Steering Components			✓				
Check Drive Line			✓				
Check for any Fluid Leaks/Note			✓				
Check Front/Rear Tire Wear/Tread			✓				

Check Tire Pressures		LF 124	RF 124	LF 124	RF 124	Mon.		Thurs.
All at 120	2nd Axle	O-LR 126	O-RR 120	O-LR	O-RR	Hydraulic Generator	✓	
O = Outside		I-LR 126	I-RR 124	I-LR	I-RR	Portable Generator	✓	
I = Inside	3rd Axle	O-LR 124	O-RR 124	O-LR	O-RR	Fan's 1 and 2	✓	
		I-LR 122	I-RR 123	I-LR	I-RR	Circular Saw/Blades	✓	
						Chain Saw/Inspect Chain	✓	
						Power plant-Rescue Tool	✓	
						Spreaders Cutters	✓	
						Short ram Long Ram	✓	

Check gauges:		Date	Sat.	Inspect Ladders/Halyards/Locks/etc.		Thurs.
Engine RPM			✓			
Temperature			✓			
Fuel			✓			
Check Pump Volt/Amps			✓			
Inspect/Operate Drain Valves			✓			
Inspected all Intakes/Discharges			✓			
Check Priming Pump Operation			✓			
Check Proper Operation of Relief Valve			✓			
Flush & Drain Discharges			✓			
1st Sat. of month Flush and Refill Tank			✓			
Foam System Operational Check			✓			

Perform Weekly SCBA Inspections

(See Weekly SCBA Inspection Sheet)

Date: 7-22-11 Initials: D.C.

Date: N/A Initials: N/A

SEP 11 1970

Stabilization System - Dates	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level			✓				
Hydraulic Leaks			✓				
Functional Graphic Display Panel			✓				
R / L Mid-Ship Stabilizers			✓				
Auxiliary Ground Pads			✓				
Rear Jacks			✓				
Front Cab Jacks			✓				
Stabilizer Interlock Graphic Display			✓				
Audible Warning System			✓				
Aux. Hydraulic Pump			✓				
Hydraulic Transfer / Upper Power			✓				
Emergency Hydraulic Pump/Controls			✓				
Turn Table and Controls							
Breathing Air System Pressure			✓				
Raise / Lower			✓				
Extend / Retract			✓				
360 R / L Full Rotation @ 80 degrees			✓				
Functional Graphic Display Panel			✓				
Boom lights - Alarm Test - Ladder Lights			✓				
PA / PPT Mike			✓				
Turn Table Flood Lights			✓				
Bucket Control Switch			✓				
Safety Override Switch's			✓				
Manual Hydraulic Override Controls			✓				
Pedestal Hydraulic Lines, Any Leaks			✓				
Safety Lines			✓				
Smart Boom Warning System			✓				
Stabilizer Interlock Override			✓				
Rotational Interlock System			✓				
Emergency Hydraulic Controls			✓				
Platform Controls							
Functional Graphic Display Panel			✓				
Bucket Control Power			✓				
High Range / Creep Mode			✓				
Raise / Lower			✓				
Extend / Retract			✓				
Rotation R / L			✓				
Self Levelling System/Emg. Stop/Disable			✓				
Levelling System Override			✓				
Hyd. Reservoir for Levelling System			✓				
Spot / Flood Lights / Ladder Lights			✓				
Panel Light, Alarm Silence			✓				
Manual and Remote Nozzle Controls			✓				
Master Streams, Aux. Discharges							
Water Control Valves			✓				
Platform Folding Egress Ladder			✓				
Stokes Basket Arms, Lifting Eyes			✓				
Breathing Air Gauge and Hook Ups			✓				
Access/Egress Doors			✓				
Hand Tools / Holders			✓				
Visual Inspection of Ladder / Tower			✓				
5 Ladder Sections, Slide Block Paths			✓				
Aerial Extension / Retraction Cylinders			✓				
Water Way Tubes			✓				
Turn Table Hydraulic Lines			✓				
Sheaves and Cables			✓				
Cable Track / Wiring Harness			✓				
Bucket Hydraulic Lines			✓				

Daily Vehicle Check: Tower 151

Revised: 9/12/2010

Month/Year: July 2011

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th		7176	7176	7180	7185		7188
Engine Hrs: 1st and 15th		660	660	662	668		663
Aerial Hours 1st and 15th							
Generator Hours 1st and 15th							
Fuel Level: Capacity: 65 gallons		7/8	15/16	7/8	13/16		3/4
Calibration/Inspection/Repair/Equipment							
Warning Lights, Buzzers, etc.		✓	✓	✓	✓		✓
Gauges & Instruments		✓	✓	✓	✓		✓
Oil/Air Pressure *		* 110/50	* ✓	✓	* ✓		60/45
Oil/Transmission Temp.		✓	✓	✓	✓		✓
Coolant Temp.		✓	✓	✓	✓		✓
Electrical: Volts/Amps		✓	✓	✓	✓		✓
Radio/Headsets/Cat Phone/Pager		✓	✓	✓	✓		✓
Clipboard/Paperwork/Maps/Passport		✓	✓	✓	✓		✓
Safety Vest/Brown Shirt/Blue Shelter		✓	✓	✓	✓		✓
Survivor Flashlights <u>SWIFTWATER</u>		✓ x 4	✓ x 4	4	✓ x 4		✓ x 4
Supra Key / RAO Detector		✓	✓	✓	✓		✓
Thermal Camera (TIC) Batteries		✓	✓	✓	✓		✓
Mechanical/Electrical							
Lights: Running/warning/scene		✓	✓	✓	✓		✓
Code 3 Equipment		✓	✓	✓	✓		✓
Tires / Wheels		✓	✓	✓	✓		✓
10 Step Air Brake Check (see back)							
Detailed Aerial Check (see pg. 3)				✓			
Aerial PTO - #1		✓	✓	✓	✓		✓
Hydraulic Generator PTO - #2		✓	✓	✓	✓		✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)				✓			
Water Tank Level 300 gallons		FULL	Full	F	FULL		FULL
Foam tank Level 30 gallons		FULL	Full	F	FULL		FULL
Daily Pump Check		✓	✓	✓	✓		✓
Detailed Pump Check (see pg. 2)							✓
EMS Equipment							
Jump Bags (Airway/Trauma/Peds)			✓	✓	✓		✓
O2 Level			✓	✓	✓		✓
ECG Monitor			✓	✓	✓		✓
CEP Drug Box / RSI Drug Box			✓ RH	✓	✓ RH		✓
Suction Unit			✓	✓	✓		✓
Miscellaneous Supplies			✓	✓	✓		✓
Drinking Water			✓	✓	✓		✓
FIRE Equipment							
Hand Tools/Wild Land/Appliances		✓	✓	✓	✓		✓
Engineers Headset/Flashlights		✓	✓	✓	✓		✓
Portable Extinguishers (ABC/PW)		✓	✓	✓	✓		✓
Power Tools / Fuel Cans		✓	✓	✓	✓		✓
Run Power Tools (see back)		✓			✓		
Tool Bag/Tools/Slings		✓	✓	✓	✓		✓
Snake Box/Pole		✓	✓	✓	✓		✓
Foam containers/Eductor		✓	✓	✓	✓		✓
SCBA/Spare Air Bottles		✓	✓	✓	✓		✓
Weekly SCBA Inspection (see pg. 2)							
RIT Bag / Safety Ropes		✓	✓	✓	✓		✓
Air/Gas Monitor (check charge on Fri)							✓

50/1

FIRE EQUIPMENT CONTINUED

Safety Equipment: Cones, Flares
Wheel Chocks
Ladders
Portable Monitor w/ chains

		✓	✓	✓	✓	✓	✓
		✓	✓		✓	✓	✓
		✓	✓			✓	✓
		✓	✓		✓		✓

DAILY INSPECTIONS CONTINUED

SCBA Check	Dates	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain			4500	4500	4500	4500	* 4000	4500
SCBA 2 Engineer			4500	4500	4500	4500	* 4200	4500
SCBA 3 FF #1			4400	4400	4500	4400	* 4200	4500
SCBA 4 FF #2			4000	4000	4000	4000	* 4500	4500
RIC BAG							*	
Voice Recorder								
Spare Air Bottles								
Spare 1			4000	4000	4000	4000	* 4500	4200
Spare 2			4500	4500	4500	4500	* 4500	4500
Spare 3			4200	4200	4500	4200	* 4500	4500
Spare 4			4500	4500	4500	4500	* 4500	4000
Spare 5			4500	4500	4500	4500	* 4500	4500
Spare 6			4500	4500	4500	4500	* 4500	4500

WEEKLY INSPECTIONS

SAFETY EQUIPMENT CHECK MECHANICAL

Check Fluids
Engine Oil
Transmission
Coolant
Brake/Air Pressure
Power Steering
Wiper Fluid
Check Battery
Check Belts/Hoses
Check Breather Valve/Transmission
Check Front Brakes & Lines
Check Rear Brakes and Lines
Ck Suspension/Steering Components
Check Drive Line
Check for any Fluid Leaks/Note
Check Front/Rear Tire Wear/Tread

Sun.	Wed.
7-21	7-21
✓	✓
✓	✓
✓	✓
✓	✓
✓	✓
✓	✓
✓	✓
✓	✓
✓	✓
✓	✓
✓	✓
✓	✓

10 Step Air-Brake Check

Tues.
1. Air Chambers, Air lines
2. Check Drums/Disc, Shoes/Pads
3. Test Low Air-Pressure Warning
4. Automatic Spring Brake Set
5. Rate of Air-Pressure Build up
6. Test Air Leakage Rate
7. Check Air-Compressor Governor Cut In/Out

Check Tire Pressures

All at 120
O = Outside
I = Inside

LF	RF	LF 120	RF 120
O-LR	O-RR	O-LR 120	O-RR 120
I-LR	I-RR	I-LR 120	I-RR 120
O-LR	O-RR	O-LR 120	O-RR 120
I-LR	I-RR	I-LR 120	I-RR 120

DETAILED DAILY CHECK

Check gauges:
Engine RPM
Temperature
Fuel
Check Pump Vol/Amps
Inspect/Operate Drain Valves
Inspected all Intakes/Discharges
Check Priming Pump Operation
Check Proper Operation of Relief Valve
Flush & Drain Discharges
1st Sat. of month Flush and Refill Tank
Foam System Operational Check

Date/Sat.
✓
✓
✓
✓
✓
✓
✓
✓
✓
✓

Mon.	Thurs.
Hydraulic Generator	✓
Portable Generator	✓
Fan's 1 and 2	✓
Circular Saw/Blades	✓
Chain Saw/Inspect Chain	✓
Power plant-Rescue Tool	✓
Spreaders	✓
Editors	✓
Short Ram	✓
Long Ram	✓
Inspect Saws-all	✓
Refuel as Needed	✓
Check Maint. Tag	✓
Inspect Ladders/Halyards/Locks/etc.	✓

Perform Weekly SCBA Inspections

(See Weekly SCBA Inspection Sheet)
Date: Initials:
Date: Initials:

Weekly Aerial Inspection Checks							
Stabilization System - Dates	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level				✓			
Hydraulic Leaks				✓			
Functional Graphic Display Panel				✓			
R / L Mid-Ship Stabilizers				✓			
Auxiliary Ground Pads				✓			
Rear Jacks				✓			
Front Cab Jacks				✓			
Stabilizer Interlock Graphic Display				✓			
Audible Warning System				✓			
Aux. Hydraulic Pump				✓			
Hydraulic Transfer / Upper Power				✓			
Emergency Hydraulic Pump/Controls				✓			
Turn Table and Controls							
Breathing Air System Pressure							
Raise / Lower				✓			
Extend / Retract				✓			
360 R / L Full Rotation @ 80 degrees				✓			
Functional Graphic Display Panel				✓			
Boom lights - Alarm Test - Ladder Lights				✓			
PA / PPT Mike				✓			
Turn Table Flood Lights				✓			
Bucket Control Switch				✓			
Safety Override Switch's				✓			
Manual Hydraulic Override Controls				✓			
Pedestal Hydraulic Lines, Any Leaks				✓			
Safety Lines				✓			
Smart Boom Warning System				✓			
Stabilizer Interlock Override				✓			
Rotational Interlock System				✓			
Emergency Hydraulic Controls				✓			
Platform - Bucket - Controls							
Functional Graphic Display Panel				✓			
Bucket Control Power				✓			
High Range / Creep Mode				✓			
Raise / Lower				✓			
Extend / Retract				✓			
Rotation R / L				✓			
Self Levelling System/Emg. Stop/Disable				✓			
Leveling System Override				✓			
Hyd. Reservoir for Leveling System				✓			
Spot / Flood Lights / Ladder Lights				✓			
Panel Light, Alarm Silence				✓			
Manual and Remote Nozzle Controls				✓			
Master Streams, Aux. Discharges				✓			
Water Control Valves				✓			
Platform Folding Egress Ladder				✓			
Stokes Basket Arms, Lifting Eyes				✓			
Breathing Air Gauge and Hook Ups				✓			
Access/Egress Doors				✓			
Hand Tools / Holders				✓			
Visual Inspection of Platform							
5 Ladder Sections, Slide Block Paths				✓			
Aerial Extension / Retraction Cylinders				✓			
Water Way Tubes				✓			
Turn Table Hydraulic Lines				✓			
Sheaves and Cables				✓			
Cable Track / Wiring Harness				✓			
Bucket Hydraulic Lines				✓			
Bucket Leveling Cylinders				✓			

Daily Vehicle Check: Tower 151

Revised: 4/4/2010

Month/Year: July / Aug 2010

Shop #: 3140

Dates: Sun. Mon. Tues. Wed. Thurs. Fri. Sat.

		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1								
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 15th	7197	7196	7197	7197	7197	7198	7199
Engine Hrs:	1st and 15th	663	664	665	665	665	666	666
Aerial Hours	1st and 15th	233.3						
Generator Hours	1st and 15th			58.9				
Fuel Level: Capacity: 65 gallons		Full	Full		Full	Full	F	F
Cab Controls/Instrumentation								
Warning Lights, Buzzers, etc.		✓	✓	✓	✓	✓	✓	✓
Gauges & Instruments		✓	✓	✓	✓	✓	✓	✓
Oil/Air Pressure		✓	✓	✓	✓	✓	✓	✓
Oil/Transmission Temp.		✓	✓	✓	✓	✓	✓	✓
Coolant Temp.		✓	✓	✓	✓	✓	✓	✓
Electrical: Volts/Amps		✓	✓	✓	✓	✓	✓	✓
Radios/Headsets/Cell Phone/Pager		✓	✓	✓	✓	✓	✓	✓
Clipboard/Paperwork/Maps/Passport		✓	✓	✓	✓	✓	✓	✓
Safety Vest/Brush Shirts/Fire Shelter		✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights		✓	✓	✓	✓	✓	✓	✓
Supra Key / RAD Detector		✓	✓	✓	✓	✓	✓	✓
Thermal Camera (TIC) Batteries		✓	✓	✓	✓	✓	✓	✓
Mechanical/Electrical								
Lights: Running/warning/scene		✓	✓	✓	✓	✓	✓	✓
Code 3 Equipment		✓	✓	✓	✓	✓	✓	✓
Tires / Wheels		✓	✓	✓	✓	✓	✓	✓
10 Step Air Brake Check (see back)								
Detailed Aerial Check (see pg. 3)								
Aerial PTO - #1		✓	✓	✓	✓	✓	✓	✓
Hydraulic Generator PTO - #2		✓	✓	✓	✓	✓	✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)		✓	✓	✓	✓	✓	✓	✓
Water Tank Level 300 gallons		✓	Full	Full	Full	Full	Full	Full
Foam tank Level 30 gallons		✓	Full	Full	Full	Full	Full	Full
Daily Pump Check		✓	✓	✓	✓	✓	✓	✓
Detailed Pump Check (see pg. 2)								
EMS Equipment								
Jump Bags(Airway/Trauma/Peds)		✓	✓	✓	✓	✓	✓	✓
O2 Level		✓	✓	✓	✓	✓	✓	✓
ECG Monitor (Weekly Detail Check)		✓	✓	✓	✓	✓	✓	✓
CEP Drug Box / RSI Drug Box		✓	✓	✓	✓	✓	✓	✓
Suction Unit		✓	✓	✓	✓	✓	✓	✓
Miscellaneous Supplies		✓	✓	✓	✓	✓	✓	✓
Drinking Water		✓	✓	✓	✓	✓	✓	✓
Fire Equipment								
Hand Tools/Air/Land/Appliances		✓	✓	✓	✓	✓	✓	✓
Engineers Headset/Flashlights		✓	✓	✓	✓	✓	✓	✓
Portable Extinguishers(ABC/PW)		✓	✓	✓	✓	✓	✓	✓
Power Tools / Fuel Cans		✓	✓	✓	✓	✓	✓	✓
Run Power Tools (see back)		✓	✓	✓	✓	✓	✓	✓
Tool Bag/Tools/Sharpen		✓	✓	✓	✓	✓	✓	✓
Snake Box/Pole		✓	✓	✓	✓	✓	✓	✓
Foam containers/Eductor		✓	✓	✓	✓	✓	✓	✓
SCBA/Spare Air Bottles		✓	✓	✓	✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)		✓	✓	✓	✓	✓	✓	✓
RFF Bag / Safety Ropes		✓	✓	✓	✓	✓	✓	✓

FIRE Equipment Continued							
Safety Equipment: Cones, Flares	✓		✓	✓		✓	✓
Wheel Chocks	✓		✓	✓		✓	✓
Ladders	✓		✓	✓			✓
Portable Monitor w/ chains	—		—	—			0/1

Daily Inspection Continued

SCBA Check	Dates	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain		4300	4500	4500	4500		* 4500	4500
SCBA 2 Engineer		006	4500	4500	4500		* 4000	4000
SCBA 3 FF #1		4200	4200	4000	4500		* 4000	4000
SCBA 4 FF #2		4500	4300	4500	4600		* 4100	4000
RIC BAG		—					*	
VOICERECORDER		4	4	4	4			

Spare Air Cylinders

Spare 1	4200	4500	4500	4500	4500	* 4100	4000
Spare 2	4500	4500	4500	4500	4100	* 4150	4000
Spare 3	4500	4500	4500	4500	4500	* 4500	4000
Spare 4	4500	4500	4000	4000	4500	* 4500	4000
Spare 5	4200	4200	4500	4500	4500	* 4500	4000
Spare 6	4500	4500	4400	4400	4500	* 4500	4000

Weekly Inspections

Check	Dates	Sun.	Wed.	Tues.
Check Fluids	07-31			
Engine Oil		✓		
Transmission		✓		
Coolant		✓		
Brake/Air Pressure		✓		
Power Steering		✓		
Wiper Fluid		✓		
Check Battery/Battery		✓		
Check Belts/Hoses		✓		
Check Breather Valve/Transmission		✓		
Check Front Brakes & Lines		✓		
Check Rear Brakes and Lines		✓		
Chk Suspension/Steering Components		✓		
Check Drive Line		✓		
Check for any Fluid Leaks/Note		✓		
Check Front/Rear Tire Wear/Tread		✓		

Check Tire Pressures	LF 120	RF 120	LF 12	RF
All at 120	O-LR 120	O-RR 120	O-LR	O-RR
O = Outside	I-LR 120	I-RR 120	I-LR	I-RR
I = Inside	O-LR 120	O-RR 120	O-LR	O-RR
	I-LR 120	I-RR 120	I-LR	I-RR

Engine Fluids

Check gauges:	Date	Sat.
Engine RPM		✓
Temperature		✓
Fuel		✓
Check Pump Volt/Amps		✓
Inspect/Operate Drain Valves		✓
Inspected all Intakes/Discharges		✓
Check Priming Pump Operation		✓
Check Proper Operation of Relief Valve		✓
Flush & Drain Discharges		✓
1st Sat. of month Flush and Refill Tank		
Foam System Operational Check		

10 Step Air-Brake Check

1. Air Chambers, Air lines	✓
2. Check Drums/Disc, Shoes/Pads	✓
3. Test Low Air-Pressure Warning	✓
4. Automatic Spring Brake Set	✓
5. Rate of Air-Pressure Build up	✓
6. Test Air Leakage Rate	* ✓
7. Check Air-Compressor Governor Cut In/Out	✓

	Mon.	Thurs.
Hydraulic Generator	✓	✓
Portable Generator	✓	✓
Fan's 1 and 2	✓	✓
Circular Saw/Blades	✓	✓
Chain Saw/Inspect Chain	✓	✓
Power plant-Rescue Tool	✓	✓
Spreaders- Cutters	✓	✓
Short-ram- Long-Ram	—	—
Inspect Saws-all	✓	✓
Refuel as Needed	✓	✓
Check Maint. Tag	—	—
Inspect Ladders/Halyards/Locks/etc.		✓

Perform Weekly SCBA Inspections

(See Weekly SCBA Inspection Sheet)

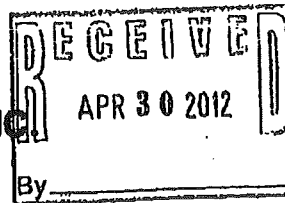
Date: Initials:

Date: Initials:

8.6.11 on front axle @ 50 pss

Weekly Aerial Inspection Checks							
Stabilization System - Pads	Sun.	Mon.	Tues	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level			✓				
Hydraulic Leaks			✓				
Functional Graphic Display Panel			✓				
R / L Mid-Ship Stabilizers			✓				
Auxiliary Ground Pads			✓				
Rear Jacks			✓				
Front Cab Jacks			✓				
Stabilizer Interlock Graphic Display			✓				
Audible Warning System			✓				
Aux. Hydraulic Pump			✓				
Hydraulic Transfer / Upper Power			✓				
Emergency Hydraulic Pump/Controls			✓				
Turn Table and Controls							
Breathing Air System Pressure			✓				
Raise / Lower			✓				
Extend / Retract			✓				
360 R / L Full Rotation @ 80 degrees			✓				
Functional Graphic Display Panel			✓				
Boom lights - Alarm Test - Ladder Lights			✓				
PA / PPT Mike							
Turn Table Flood Lights			✓				
Bucket Control Switch			✓				
Safety Override Switch's			✓				
Manual Hydraulic Override Controls			✓				
Pedestal Hydraulic Lines, Any Leaks			✓				
Safety Lines			✓				
Smart Boom Warning System			✓				
Stabilizer Interlock Override			✓				
Rotational Interlock System			✓				
Emergency Hydraulic Controls			✓				
Platform Controls							
Functional Graphic Display Panel			✓				
Bucket Control Power			✓				
High Range / Creep Mode			✓				
Raise / Lower			✓				
Extend / Retract			✓				
Rotation R / L			✓				
Self Levelling System/Emg. Stop/Disable			✓				
Levelling System Override			✓				
Hyd. Reservoir for Levelling System			✓				
Spot / Flood Lights / Ladder Lights			✓				
Panel Light, Alarm Silence			✓				
Manual and Remote Nozzle Controls			✓				
Master Streams, Aux. Discharges							
Water Control Valves			✓				
Platform Folding Egress Ladder			✓				
Stokes Basket Arms, Lifting Eyes			✓				
Breathing Air Gauge and Hook Ups			✓				
Access/Egress Doors			✓				
Hand Tools / Holders			✓				
Waterway Section - Ladder			✓				
5 Ladder Sections, Slide Block Paths			✓				
Aerial Extension / Retraction Cylinders			✓				
Water Way Tubes			✓				
Turn Table Hydraulic Lines			✓				
Sheaves and Cables			✓				
Cable Track / Wiring Harness			✓				
Bucket Hydraulic Lines			✓				
Bucket Levelling Cylinders			✓				

ARIZONA BYWAYS INC.
 4444 E. TENNESSEE ST.
 TUCSON, AZ. 85714
 520-663-0061 FX 520-663-5788
 TAX ID# 86-0930360



Job Invoice

15226 Prepared On: 2/28/12

Printed: 04/30/12 09:47:04

By: Marty

Page: 2

Customer Information:

[Redacted]
 [Redacted] AZ [Redacted]
 Home: (0)
 Work: [Redacted]

Vehicle Information:

#3140 / SUTPHEN
 SPH-100 LADDER TRUCK
 Color: Paint Code:
 Miles: Loc.
 VIN: [Redacted] Prod Date:

Insurance Information:

Contact: DOL: Phone:
 Policy: Deductible: 5000.00 Fax:
 Claim:

Op	Description	Type	Price	Type	Labor	Add'l	Pain'	Add'l
Description	Units @ Rate	R.O.	Supp	Total				
Parts		5912.22		5912.22	m			
Body	48.0 @ 75.00	3600.00		3600.00				
Refinish	17.4 @ 75.00	1305.00		1305.00				
Mechanic	0.0 @ 85.00							
Frame	0.0 @ 85.00							
Glass/Detail	0.0 @ 75.00							
Body-Stru	0.0 @ 85.00							
Paint Materials		522.00		522.00	m			
Shop Supplies		360.00		360.00	m			
Haz. Waste		5.00		5.00	m			
Sublet		450.00		450.00	m			
Sublet (Non-Tax)								
Towing & Storage								
Miscellaneous								
Sub Total				12154.22				
Sales Tax		482.39	0.00	482.39	m			
Grand Total		12636.61		12636.61				
Deductible:				5000.00				
Adjustments:				0.00				
Customer Pay Items:				0.00				
Total Customer Pay:				5000.00				
Net Total				7636.61				

7,731.61
 4,905.00

pd ch #14426
 Balance due

Shop 3140

POSTED

PAID
 ck #14669

6420 - 2,731.61
 6425 - 4,905.00

Approved K8
 Date 5/8/12

(C) Copyright 1997-1999, Houston Digital Corporation

Approved [Signature]
 Date 5/2/12

ARIZONA BYWAYS INC.
 4444 E. TENNESSEE ST.
 TUCSON, AZ. 85714
 520-663-0061 FX 520-663-5788
 TAX ID# 88-0930360

Job Invoice

15226 Prepared On: 2/28/12

Printed: 04/30/12 09:47:04

Page 1

Customer Information:

[Redacted]

[Redacted] AZ [Redacted]

Home: ()

Work: [Redacted]

By: Marty

Vehicle Information:

#3140 / SUTPHEN
 SPH-100 LADDER TRUCK

Color: [Redacted] Paint Code

Miles: [Redacted] Lic:

VIN: [Redacted] Prod Data:

Insurance Information:

Contact:

Policy:

DOL:

Deductible: 5000.00

Phone:

Fax:

Claim:

S	Op	Description	Type	Price	Type	Labor	Add'l	Pain	Add'l
	Remove/Replace	LT REAR COMPARTMENT FLOOR	New	539.50	Body	8.0			
	Remove/Replace	LT REAR LOWER MARKER LIGHT AND WIRING AS NEEDED	New	73.65	Body	1.0			
	Remove/Replace	LT REAR ROM DOOR BOTTOM HALF COMPLETE W/ HARDWARE - SER# 104654	New	1223.90	Body	5.0		4.0	
	Remove/Replace	RT ROM TRACK AND COVER	New	284.99	Body	4.0		2.0	
	Remove/Install	PANEL REAR LIGHTS, HANDLES, EQUIPMENT	Existing		Body	5.0			
	Remove/Replace	REAR LT COMPARTMENT WALL	New	2157.57	Body	15.0		8.0	
	Remove/Replace	REAR LT LOWER ALUM. TREADPLATE	New	837.94	Body	4.0			
	Remove/Replace	REAR LT TAIL LIGHT GUARD	New	86.67	Body	1.0			
	Remove/Replace	DECALS - GREEN, YELLOW, WHITE	New	728.00	Body	4.0			
	Repair	MASK FOR OVERSPRAY	Existing		Body	1.0			
	Refinish/Repair	ADD FOR 2-STAGE	Existing		Refin			2.4	
	Refinish/Repair	BLEND TO ADJACENT PANELS	Existing		Refin			3.0	
	Refinish/Repair	FREIGHT IN FROM OHIO	Sublet	450.00					
	Comment	2-3 WEEK LEAD TIME ON PARTS							

ARIZONA BYWAYS INC.
 4444 E. TENNESSEE ST.
 TUCSON, AZ. 85714
 520-663-0061 FX 520-663-5788
 TAX ID# 86-0930360

Job Invoice

15226 Prepared On: 2/28/12

Printed: 02/28/12 11:48:56

By: Marty

Page: 1

Customer Information:

[Redacted]
 [Redacted] AZ [Redacted]
 Home: (0) [Redacted]
 Work: [Redacted]

Vehicle Information:

#3140 / SUTPHEN
 SPH-100 LADDER TRUCK
 Color: [Redacted] Paint Code: [Redacted]
 Miles: [Redacted] Lic: [Redacted]
 VIN: [Redacted] Prod Date: [Redacted]

Insurance Information:

Contact: [Redacted] DOL: [Redacted] Phone: [Redacted]
 Policy: [Redacted] Deductible: [Redacted] Fax: [Redacted]
 Claim: [Redacted]

S	Op	Description	Type	Price	Type	Labor	Add'l	Paint	Add'l
	Remove/Replace	LT REAR COMPARTMENT FLOOR	New	539.50	Body	8.0			
	Remove/Replace	LT REAR LOWER MARKER LIGHT AND WIRING AS NEEDED	New	73.65	Body	1.0			
	Remove/Replace	LT REAR ROM DOOR BOTTOM HALF COMPLETE W/ HARDWARE - SER# 104854	New	1223.90	Body	5.0		4.0	
	Remove/Replace	RT ROM TRACK AND COVER PANEL	New	264.99	Body	4.0		2.0	
	Remove/Install	REAR LIGHTS, HANDLES, EQUIPMENT	Existing		Body	5.0			
	Remove/Replace	REAR LT COMPARTMENT WALL	New	2157.57	Body	15.0		6.0	
	Remove/Replace	REAR LT LOWER ALUM. TREADPLATE	New	837.94	Body	4.0			
	Remove/Replace	REAR LT TAIL LIGHT GUARD	New	86.07	Body	1.0			
	Remove/Replace	DECALS - GREEN, YELLOW, WHITE	New	728.00	Body	4.0			
	Repair	MASK FOR OVERSPRAY	Existing		Body	1.0			
	Refinish/Repair	ADD FOR 2-STAGE	Existing		Refin			2.4	
	Refinish/Repair	BLEND TO ADJACENT PANELS	Existing		Refin			3.0	
		FREIGHT IN FROM OHIO	Sublet	450.00					
	Comment	2-3 WEEK LEAD TIME ON PARTS							

\$5,000 186
 2/29/12

PAID
 3/1/12
 CK# 14426

ARIZONA BYWAYS INC.
 4444 E. TENNESSEE ST.
 TUCSON, AZ. 85714
 520-663-0061 FX 520-663-5788
 TAX ID# 86-0930360

Job Invoice

15226 Prepared On: 2/28/12

Printed: 02/28/12 11:48:56

By: Marty

Page: 2

Customer Information:



AZ

Home: (0)

Work:

Vehicle Information:

#3140 / SUTPHEN
 SPH-100 LADDER TRUCK

Color:

Paint Code:

Miles:

Lic:

VIN:

Prod Date:

Insurance Information:

Contact:

DOL:

Phone:

Fax:

Policy:

Deductible:

Claim:

S	Op	Description	Type	Price	Type	Labor	Add	Paint	Add
---	----	-------------	------	-------	------	-------	-----	-------	-----

Description.	Units @ Rate	R.O.	Supp	Total
Parts		5912.22		5912.22
Body	48.0 @ 75.00	3600.00		3600.00
Refinish	17.4 @ 75.00	1305.00		1305.00
Mechanic	0.0 @ 85.00			
Frame	0.0 @ 85.00			
Glass/Detail	0.0 @ 75.00			
Body-Stru	0.0 @ 85.00			
Paint Materials		522.00		522.00
Shop Supplies		360.00		360.00
Haz. Waste		5.00		5.00
Sublet		450.00		450.00
Sublet (Non-Tax)				
Towing & Storage				
Miscellaneous				
Sub Total				12154.22
Sales Tax		482.39	0.00	482.39
Grand Total		12636.61		12636.61
Deductible:				0.00
Adjustments:				0.00
Customer Pay Items:				0.00
Total Customer Pay:				12636.61
Net Total				

*owe \$7,636.61
 when job is done.*

*6420
 vehicle maint*

CAT. #
IV

REPORT OF INSPECTION

CUSTOMER

LOCATION

INSPECTOR ROBERT BROWNING

MANUFACTURER SUTPHEN

MODEL NO.

TYPE Alum. Tower Platf.

SERIAL NO.

YR. OF MFG. 2009

UNIT NO.

LADDER 151 (3140)

TEST DATE 8/23/2011



Diversified Inspections, Inc./ITL

Post Office Box 85089, Phoenix, Arizona 85069, (800) 992-1111

HS Needed NONE

HS Attached NONE

To Be Shipped N/A

Approved By FIRE DEPARTMENT



The information provided in this report is the result of the specific testing and inspection procedures conducted by DIVERSIFIED INSPECTIONS/ITL ("DII") on the equipment and identified herein, as limited by the scope of work authorized by the customer (the "Test Results"). The Test Results reflect only the conditions of the components tested or inspected within the scope of work authorized. We have reviewed neither the maintenance records nor the actual use of the equipment before or after the date of the testing or inspection. NO ATTEMPT HAS BEEN MADE AND NO INFORMATION IS RENDERED WITH RESPECT TO ANY CONDITIONS OF THE EQUIPMENT OR ANY COMPONENT OTHER THAN AS EXPRESSLY STATED IN THE WRITTEN TEST RESULTS. SPECIFICALLY, BUT WITHOUT LIMITATIONS, NO INFORMATION, TESTING OR INSPECTION SERVICES ARE RENDERED CONCERNING EQUIPMENT DESIGN, SUITABILITY OF THE EQUIPMENT FOR ANY PARTICULAR PURPOSE OF THE FUTURE SERVICEABILITY OF THE EQUIPMENT. THE TEST RESULTS SHOULD NOT BE CONSTRUED AS STATEMENT THAT THE EQUIPMENT IS SAFE OR SERVICEABLE.

The information provided in this report is not a substitute for proper use, maintenance, modification, inspection and repair of the equipment, who shall assure safe operation of the equipment within its intended limitation. Furthermore, nothing in the Test Results should be construed as a recommendation for corrective action and DII has not and will not supervise corrective action of any condition found to exist, as such in the sole responsibility of the owner/operator and it is hereby expressly excluded from the scope of the work performed by DII. The Test Results are intended solely for informational purposes of the customer and should not be utilized or relied upon by any other person.



Diversified Inspections, Inc./ITL

Post Office Box 85069, Phoenix, Arizona 85069, (800) 992-1111

Diversified Inspections, Inc. / ITL will issue a certificate of inspection upon the completion of the inspection and repair of any defects that may affect certification. These defects will be listed as affecting certification on the summary page of your inspection report.

A load test must be conducted successfully on any item that requires load bearing components to be removed or replaced before a certificate can be issued. On all other defects, after repairs have been completed in accordance with manufacturer's guidelines, please send a written notice including the job order number, unit number of vehicle and copy of the repair invoice with the signature of the fire department's representative to the following address:

Diversified Inspections, Inc. / ITL
P.O. Box 85069
Phoenix, Arizona 85069
Fax (602) 864-6975

We certainly appreciate the opportunity to be of service to you and your department. If you have any questions or need additional information, please do not hesitate to contact us at 1-800-992-1111.



Diversified Inspections, Inc./ITL

Post Office Box 85069, Phoenix, Arizona 85069, (800) 992-1111

Letter of Certification

I, _____, of _____ Fire
Department hereby certify that items, No. _____ through _____, listed on the
Summary Page of our Report of Inspection have been repaired in accordance with
manufacturer's specifications so that certification of my aerial unit No. 3140 is
possible.

Therefore, please mail my certification of inspection to the following address:

Name of Fire Department, City, Company, etc.

Street of Post Office Box

City, State and Zip Code

SIGN: _____

TITLE: _____

EMAIL*: _____

DATE: _____

DATE OF TEST: 8/23/2011

Send to: Diversified Inspections, Inc./ITL
P.O. Box 39669
Phoenix, AZ 85069

Fax to: (602) 864-9055

* If you would like to receive your certificate via email, please provide your
email address.

Diversified Inspections, Inc./ITL

Post Office Box 85089, Phoenix, Arizona 85069, (800) 992-1111

OPERATIONAL TEST / LOAD TEST / DRIFT TEST

Customer XXXXXXXXXX Unit # LADDER 151 (3140) Date 8/23/2011

Engine R.P.M.	<u>1400</u>	Hydraulic Pressure	<u>2300</u>	P.S.I.
Maximum Reach	<u>88.5'</u>	Maximum Height	<u>100'</u>	
Drift Test Start Time	<u>11, 12:30</u>	Stop Time	<u>12, 1:30</u>	

DRIFT TEST

Hydraulic Oil at Ambient Temperature

OUTRIGGER:	Front Streetside	0.000" (1/2")	Front Curbside	0.000"
	Rear Streetside	0.000"	Rear Curbside	0.000"

LIFT CYLINDER: Ladder or Lower Boom R,L: 0.054", 0.052"
Tolerances: ELV, EXT: 1/2"
Extension Cyl. R,L: 0.0625", 0.0625"

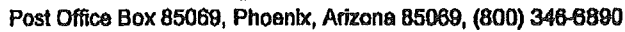
OPERATIONAL TEST

AERIAL LADDERS / ELEVATING PLATFORM

Set Outriggers 55 Seconds.
 Raise Ladder 60° 51 Seconds.
 Complete Rotation 85 Seconds.
 Fully Extend 59 Seconds.
 Raise Ladder 60°, Rotate 90°, Fully Extend 100 Seconds 150 Allowed.
 Load Test N/A ° at N/A lbs. N/A ° at N/A lbs.

ARTICULATING BOOM

Set Outriggers N/A Seconds.
 Raise Ladder 60° N/A Seconds.
 Complete Rotation N/A Seconds.
 Fully Extend N/A Seconds.
 Raise Lower Boom 90°, Raise Platform to Max. Ht., Rotate 90° N/A Seconds N/A Allowed.
 Stability Test Load 1000 lbs.



Customer [REDACTED] Unit # LADDER 151 (3140) Date 8/23/2011

Kind of U.T. Machine PANAMETRICS Transducer MHz. 5

Type of MT Machine PARKER CONTOUR Amps. 6 DC or AC

Temperature <u>100</u> °F		
Name of Penetrant	<u>N/A</u>	Cleaner Batch# <u>N/A</u>
Penetrant Batch #	<u>N/A</u>	Penetrant Dwell Time <u>N/A</u>
Developer Batch # <u>N/A</u>		Developer Dwell Time <u>N/A</u>

Type of Hardness Tester BARBER C. Lowest Acceptable Reading 72-85

1. BACKLASH RECORDED AT 1/8" FROM EDGE OF TURNTABLE. BEARING CLEARANCE RECORDED AT 0.005" AT TOP OF TURNTABLE. ALL TWIST READING RECORDED BELOW 0.750" AT TIP OF EACH SECTION OF BOOM BASRAILS. ALL HARDNESS READINGS ACCEPTABLE BETWEEN 78-84. HARNESS READINGS TAKEN AT 12 INCH INTERVALS AT HAND AND BASERAILS.

2. LOWER ROTATION GEAR MOUNTING BOLTS WERE INACCESSIBLE FOR TORQUE VERIFICATION.

3. SHORTJACK, EMERGENCY POWER, INTERLOCK OVERRIDES, TRANSMISSION, ENGINE SPEED, CAB OBSTRUCTION, AND LOCKOUT OVERRIDES CHECKED FOR OPERATION. BACKUP STABILIZER HYDRAULIC AND AERIAL HYDRAULIC CONTROLS CHECKED FOR OPERATION.

Comments: UT,MT, HT CODUCTED AT KEY WELDS, PINS, AND BOLTS.

UT = Ultrasonics MT = Magnetic Particle PT = Liquid Penetrant

UT = Pins Unable to Test HT = Hardness Test ET = Eddy Current



Diversified Inspections, Inc./ITL
Post Office Box 85069, Phoenix, Arizona 85069, (800) 992-1111

VISUAL INSPECTION REPORT
ELEVATING PLATFORMS
PAGE 1

Customer

Unit # **LADDER 151 (3140)**

LEGEND: A = Acceptable R = Repair Required (See Defect Page) N = Not Applicable

Inspected By: **ROBERT BROWNING**

NDT Level **2**

I. CHASSIS

	A	R	N		A	R	N		A	R	N
A. Axle "U" Bolts	X			3-3.8	ELEVATION, EXTENSION			3-3.25	UNIT MAIN FRAME		
B. Spring/Shocks	X				ROTATION LOCK			A. Frame Condition	X		
C. Spring Shackles	X			A. External Fluid Leakage			X	B. NDT Inspection	X		
D. Suspension	X			B. Operation Elevating Lock			X				
E. Main Frame	X			C. Operation Extension Lock			X	3-3.28	TRANSMISSION/AERIAL		
F. Hydraulics	X			D. Operation Rotation Lock			X	INTERLOCKS OPERATION	X		
G. Other			X								
3-2	SERVICE RECORDS			3-3.9	HYDRAULIC OIL			3-3.27	ENGINE SPEED		
CHECKED	X			Results to be mailed back	X			INTERLOCKS	X		
3-3	TURNTABLE/TORQUE BOX	X		3-3.10	POWER TAKEOFF			3-3.28	BREATHING AIR SYSTEMS		
				A. Fluid Leakage	X			A. Proper Installation	X		
3-3.1	ROTATION BEARING			B. Proper Operation	X			B. Mounting Brackets	X		
MOUNTING BOLTS				3-3.11	HYDRAULIC PUMP			C. NDT Mounting Welds	X		
A. Proper Grade	X			A. External Fluid Leakage	X			D. Proper Air Pressure	X		
B. Bolt Torque	X							3-4	STABILIZER TEST	X	
C. NDT Accessible Bolts	X			3-3.12	COLLECTOR RINGS						
3-3.2	TORQUE BOX MOUNTING			A. Foreign Material			X	3-4.1	STABILIZER STRUCTURAL		
TO FRAME				B. Ring Condition			X	A. Weld Condition	X		
A. Proper Grade/Installation	X			C. Proper Operation			X	B. NDT Welds	X		
B. Bolt Torque			X	3-3.17	OPERATING CONTROLS			3-4.2	STABILIZER PADS		
C. NDT Accessible Bolts			X	A. Missing, Damaged, Control Handles	X			A. Pads Present	X		
D. NDT Accessible Welds			X	Identification, Fluid Leakage	X			B. Proper Construction	X		
3-3.3	ROTATION GEAR/BEARING			B. Operation/Return to	X			C. Proper Condition	X		
A. Rotation Gear-				Neutral				3-4.3	STABILIZER MOUNTING		
Missing, Damaged,				3-3.18	LOAD LIMIT			A. Mounting Condition	X		
Misalignment, Lubrication	X			INDICATORS	X			B. Proper Bolt Grade	X		
B. Record Inner Bearing to Outer				3-3.19	EMERGENCY HANDCRANK			C. Proper Bolt Torque	X		
Bearing Clearance	0.005	X		CONTROLS			X	D. NDT of Bolts	X		
3-3.4	ROTATION GEAR REDUCTION			3-3.20	AUXILIARY HYDRAULIC			3-4.4	HYDRAULIC LINES/HOSES		
BOX MOUNTING				POWER	X			A. Condition	X		
A. Proper/Bolt Grade/								B. Leakage	X		
Installation	X			3-3.21	TURNTABLE ALIGNMENT			3-4.5	STABILIZER INTERLOCK		
B. Bolt Torque	X			INDICATOR	X			WARNING DEVICES	X		
C. Weld Inspection	X							3-4.6	STABILIZER EXTENSION		
D. NDT Bolts			X	3-3.22	THROTTLE CONTROL			CYLINDER PIN			
3-3.5	TURNTABLE STRUCTURAL COMPONENTS			A. Operation	X			A. Proper Installation,			
A. Weld Condition	X			B. Operation RPM	1400	X		Operation	X		
B. NDT Structural	X			3-3.23	COMMUNICATIONS SYSTEM			B. Lubrication, Retention	X		
3-3.6	ROTATION HYDRAULIC			A. Proper Installation	X			C. NDT Pins	X		
SWIVEL		X		B. Proper Operation	X			3-4.7	STABILIZER EXTENSION CYLINDER		
3-3.7	HYDRAULIC HOSES IN			3-3.24	RELIEF HYDRAULIC			A. Cylinder Rod	X		
TURNTABLE	X			PRESSURE	X			B. Cylinder Rod to Barrel Seal	X		

Customer

Unit# LADDER 151 (3140)

		A	R	N			A	R	N			A	R	N
3-4.8	HOLDING VALVES EXTENSION CYLINDERS	X			3-5.7	PLATFORM GATES/LATCHES	X			3-6.7	PLATFORM LEVELING LINKAGES	X		
					A.	Proper Alignment	X			A.	Welds, Dents, Bends	X		
					B.	Operation	X			B.	NDT Welds	X		
3-4.9	OPERATING CONTROLS									C.	NDT Pins	X		
A.	Operation/Return to Neutral	X			3-5.8	PLATFORM HINGE PIN			X	3-6.8	HYDRAULIC LINES, HOSES (LOWER BOOM)	X		
B.	Leakage	X			A.	Proper Installation/ Lubrication			X	A.	Mounting	X		
					B.	NDT Rings Pins			X	B.	Wear	X		
3-4.10	DIVERTER VALVE LEAKAGE	X			3-5.9	PLATFORM CONTROLS	X			C.	Leakage	X		
					A.	Identification/Warning								
3-4.11	POSITIVE STOP/ALIGNMENT				B.	Operation/Return to Neutral	X			3-6.9	HYDRAULIC LINES KNUCKLES	X		
A.	Proper Operation	X			C.	Lower Control Override	X			A.	Fluid Leakage	X		
										B.	Wear	X		
3-4.12	STABILIZER DEPLOYMENT (See Operation Page)	X			3-5.10	UNAUTHORIZED MODIFICATIONS OF ADDED WEIGHT	X			3-6.10	CHAINS, CABLES, PADS		X	
										A.	Wear		X	
3-4.13	MANUAL SPRING LOCK			X	3-5.11	PLATFORM MONITOR/NOZZLE	X			B.	Adjustment		X	
A.	Condition			X	A.	Operation	X			3-6.11	SPROCKETS, PULLEYS, HOOKS			X
B.	Operation			X	B.	Welds	X			A.	Lubrication			X
3-4.14	TRACTOR SPRING LOCKOUT OPERATION			X	3-5.12	BOOM ILLUMINATION	X			B.	Wear			X
										C.	Operation			X
3-5	ELEVATING PLATFORM/ BOOM TEST	X			3-6	ARTICULATING BOOM/ LOWER BOOM TEST	X			3-6.12	BOOM SUPPORT	X		
										A.	Welds, Dents, Bends	X		
3-5.1	PLATFORM MOUNTING BRACKETS	X			3-6.1	HINGE PINS	X			B.	NDT Welds	X		
A.	Welds	X			A.	Installation	X			3-6.13	LOWER BOOM ANGLE INDICATOR LIGHTS	X		
B.	NDT Welds	X			B.	NDT Pins	X							
C.	NDT Pins/Bolts	X								3-6.14	PNEUMATIC/ELECTRIC LINES	X		
3-5.2	PLATFORM				3-6.2	LOWER BOOM ELEVATION CYLINDER EARS	X			A.	Mounting	X		
A.	Weld Condition	X			A.	Welds	X			B.	Wear	X		
B.	NDT Welds	X			B.	NDT Ears, Plates	X			C.	Kinks	X		
3-5.3	HYDRAULIC/PNEUMATIC/ ELECTRICAL LINES				3-6.3	LOWER BOOM ELEVATING CYLINDER	X			3-7	ARTICULATING BOOM/ UPPER BOOM TEST			X
A.	Mounting	X			A.	Cylinder Rod				3-7.1	UPPER BOOM ALIGNMENT WITH LOWER BOOM			X
B.	Wear	X			B.	Cylinder Rod to Barrel End Gloved Seal								
					C.	Drift Test	X			3-7.2	PLATFORM LEVELING LINKAGE			X
3-5.4	AUXILIARY WINCH MOUNTING			X	3-6.4	HOLDING VALVES	X			A.	Welds, Dents, Bends			X
A.	Mounting Bolts/Grade/ Installation			X						B.	NDT Welds			X
B.	Bolt Torque			X	3-6.5	BOOM ASSEMBLY	X			C.	NDT Pins			X
C.	Welds			X	A.	Welds, Dents, Bends	X			3-7.3	BOOM BOOST CYLINDER BRACKETS			X
D.	NDT Bolts			X	B.	Fasteners	X			A.	Welds, Dents, Bends			

Diversified Inspections, Inc./ITL

VISUAL INSPECTION REPORT
ELEVATING PLATFORMS
PAGE 2

Customer

Unit # LADDER 151 (3140)

	A	R	N		A	R	N		A	R	N
3-7.5 Cont.				3-8.1 Cont.				3-8.14 Cont.			
B. Lubrication			X	C. NDT Welds	X			A. Proper Mounting	X		
C. operation			X	D. Hardness Test, Nonferrous Material	X			B. Wear/Abrasions	X		
D. NDT Pins			X								
3-7.6 BOOM ASSEMBLY				3-8.2 ANCILLARY BOOM LADDER				3-9 OPERATION TEST THROUGH LOAD TEST 3-11.8 See Operation Test Pages	X		
A. Welds, Dents, Bends			X	A. Welds	X						
B. Fasteners			X	B. Mounting	X			3-12 WATER SYSTEM TEST			X
C. NDT Welds			X								
D. Hardness Test, Nonferrous Material			X	3-8.3 GUIDES, WEAR STRIPS, PADS, SLIDE BLOCKS				3-12.1 WATER WAY SYSTEM			
3-7.7 HYDRAULIC LINES/HOSES				A. Installation	X			A. Operation			X
A. Mounting			X	B. Wear	X			B. Rust/Corrosion			X
B. Wear			X	3-8.4 EXTENSION SLEEVES				C. Blockage			X
C. Leakage			X	A. Proper Mounting/Wear	X			3-12.2 WATER WAY ATTACHMENT			
3-7.8 CABLES, CHAIN, RODS				B. NDT Welds	X			A. Bolts, Welds	X		
A. Wear			X	C. NDT Retaining Bolt	X			B. NDT Welds	X		
B. Adjustments			X	3-8.5 EXTENSION CABLES	X			3-12.3 PRESSURE TEST			X
3-7.9 SPROCKETS, PULLEYS, HOOKS				3-8.6 ELEVATION INDICATOR	X			3-12.3.1 TELESCOPING BOOMS			
A. Lubrication			X	3-8.7 MAXIMUM EXTENSION WARNING DEVICE			X	A. Refraction Leak Test			X
B. Wear			X					B. Extension Leak Test			X
C. Operations			X	3-8.8 PLATFORM LEVELING CYLINDERS				3-12.3.2 ARTICULATING BOOM			
3-7.10 UPPER BOOM HOLD DOWN DEVICE				A. Cylinder Rod	X			A. Pressure Test			X
A. Proper Operation			X	B. Cylinder Rod to Barrel Seal	X			B. Leaks			X
B. NDT Welds			X	C. Proper Installation	X			3-12.3.3 TELESCOPING/ ARTICULATING BOOM			
3-7.11 SAFETY STOP MECHANISM				D. NDT Welds	X			A. Refraction Leak Test			X
			X	E. NDT Pins	X			B. Extension Leak Test			X
3-7.12 ELEVATION CYLINDER EARS/PLATES				3-8.9 HYDRAULIC LINES/HOSES IN BOOM				C. Pressure Test			X
A. Welds			X	A. Leakage	X			D. Leaks			X
B. NDT Ears/Plates			X	B. Wear	X			3-12.3.4 WATER WAY OPERATION			X
3-7.13 UPPER BOOM ELEVATION CYLINDERS				3-8.10 EXTENSION CYLINDER ANCHOR EARS/PLATES				3-12.4 FLOW METER			
A. Cylinder Rod			X	A. Welds	X			A. Accuracy			X
B. Cylinder Rod to Barrel Seam			X	B. NDT Welds	X			3-12.5 WATER PRESSURE GAUGE			
C. Drift Test			X	3-8.11 EXTENSION CYLINDER PINS				A. 150 PSI			X
3-7.14 HOLDING VALVES			X	A. Proper Installation/ Retention	X			B. 200 PSI			X
3-7.15 PNEUMATIC/ELECTRICAL LINES				B. NDT Pins	X			C. 250 PSI			X
A. Mounting			X	3-8.12 EXTENSION CYLINDER				3-12.6 RELIEF VALVE			X
B. Wear			X	A. Cylinder Rod	X			3-13 SIGNS	X		
3-8 TELESCOPING BOOM TEST	X			B. Cylinder Rod to Barrel Seal	X			3-14 RECORDS			
3-8.1 BOOM ASSEMBLIES				C. Drift Test	X			A. Bolt Torque	X		
A. Welds, Dents, Bends	X			3-8.13 HOLDING VALVES	X			B. NDT	X		
B. Fasteners	X			3-8.14 PNEUMATIC/ELECTRICAL LINES	X			C. Various Measurements	X		



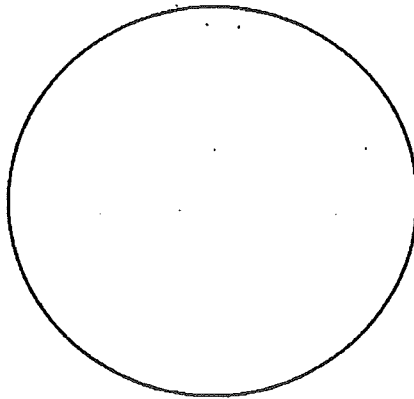
Diversified Inspections, Inc./ITL

TORQUE DATA SHEET

Customer Unit # LADDER 151 (3140) Date 8/23/2011

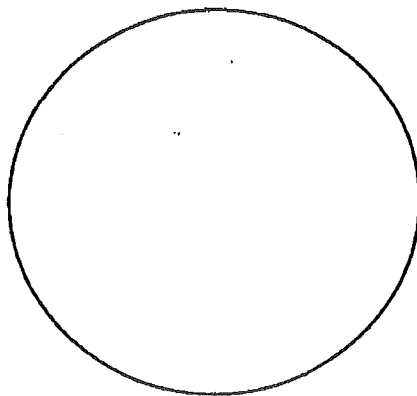
TOP TURNTABLE BEARING ATTACHMENT BOLTS:

Number of bolts checked 25 OF 36 at 250-300 foot pounds.



LOWER TURNTABLE BEARING ATTACHMENT BOLTS:

Number of bolts checked UNACCESSIBLE at 250-300 foot pounds.



COMMENTS: RGRB, F. JACK T @ 175, 75 FP, CRADLE, EXT CYN, W, WAY T @ 140-160, OR T @ 550-80

T = TORQUE

Ⓣ = UNACCESSABLE BOLTS

**Diversified Inspections, Inc./ITL**

Post Office Box 85089, Phoenix, Arizona 85089, (800) 992-1111

SUMMARY OF TEST

Customer: [REDACTED]
Unit # LADDER 151 (3140) Date 8/23/2011 Year of Manufacture 2009
Manufacturer SUTPHEN *Unit Defect Category # IV
Model # [REDACTED] Serial # [REDACTED] Aerial Hours 236
Weather Conditions OVERCAST, HUMID, HOT Wind Velocity 0-5 m.p.h.
Inspector ROBERT BROWNING Temperature 100 DEGREES

REASON FOR TEST

Annual Inspection ☒ Preservice ☐ Collision ☐ Before Repair ☐ After Repair ☐

APPLICABLE NDT METHODS AND INSPECTIONS

	Satisfactory	See Defects Pg	N/A
Ultrasonic Test of Pins.	X		
Magnetic Particle Test of Welds.	X		
Operational Test of Aerial Unit.	X		
Torque Check of Accessible Bolts.	X		
Hardness Test of Aluminum Ladder.	X		
Drift Test of Hydraulic Cylinders.	X		
Load Test of Aerial Ladder.			X
Stability Test of Aerial Platform.	X		
Dye Penetrant Test of Welds.			X
Hydraulic Oil Analysis (available via internet*)	X		
Eddy Current.			X
Ground Ladder Test.			X
Other.		X	

*** Hydraulic Oil Analysis:**

All hydraulic oil analysis reports will be available at <http://www.stavelyfa.com>. If you should need assistance in obtaining your reports please contact our office. If there should be a problem with a vehicle's analysis you will be notified as soon as possible by our company.

***Category Classification**

- I. Items - Unit Shall Be Taken From Service
- II. Items That Will Affect Certification of Aerial Unit
- III. Items That Can Be Repaired at Regular Maintenance
- IV. Items for Information Purpose
- V. No Defects Noted at Time of Inspection

Defects Noted on Defect Page

CUSTOMER [REDACTED]
UNIT NO. LADDER 151 (3140)
DATE 8/23/2011

(Page 1 of 2)

[illegible]

DISCREPANCY SUMMARY

(page 2 of 2)

[illegible]

- **Manufacturer's recommendations as to frequent inspections and overhaul schedules must be followed to assure safe operation of this unit**

***Category Classification**

- I. Items - Unit Shall Be Taken From Service
- II. Items That Will Affect Certification of Aerial Unit
- III. Items That Can Be Repaired at Regular Maintenance
- IV. Items for Information Purpose
- V. No Defects Noted at Time of Inspection

Signature / Title _____ **Date** _____

Report received by

The information provided in this report is the result of the specific inspection and testing procedures conducted by DIVERSIFIED INSPECTIONS, INC./ATL ("DII") on the equipment and identified herein, as limited by the scope of work authorized by the customer (the "Test Results"). The Test Results reflect only the conditions of the components tested or inspected within the scope of work authorized. We have reviewed neither the maintenance records nor the actual use of the equipment before or after the date of inspection or testing. NO ATTEMPT HAS BEEN MADE AND NO INFORMATION IS RENDERED WITH RESPECT TO ANY CONDITIONS OF THE EQUIPMENT OR ANY COMPONENT OTHER THAN AS EXPRESSLY STATED IN THE WRITTEN TEST RESULTS. SPECIFICALLY, BUT WITHOUT LIMITATIONS, NO INFORMATION, TESTING OR INSPECTION SERVICES ARE RENDERED CONCERNING EQUIPMENT DESIGN, SUITABILITY OF THE EQUIPMENT FOR ANY PARTICULAR PURPOSE OR THE FUTURE SERVICEABILITY OF THE EQUIPMENT. THE TEST RESULTS SHOULD NOT BE CONSTRUED AS STATEMENT THAT THE EQUIPMENT IS SAFE OR SERVICEABLE, AS A WHOLE.

The information provided in this report is not a substitute for proper use, maintenance, modification, inspection and repair of the equipment which remains the sole responsibility of the owner/operator of the equipment, who shall assure safe operation of the equipment within its intended limitation. Furthermore, nothing in the Test Results should be construed as a recommendation for corrective action and DII has not and will not supervise corrective action of any condition found to exist, as such is the sole responsibility of the owner/operator and it is hereby expressly excluded from the scope of the work performed by DII. The Test Results are intended solely for informational purposes of the customer and should not be utilized or relied upon by any person.

CERTIFICATION OF INSPECTION

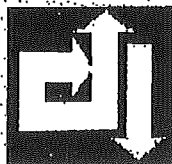
Certified Report of Mechanical, Nondestructive Tests, And Specifications Conformance

Unit No. Ladder 151 (3140) Model: [REDACTED]
Serial No. [REDACTED] Date Tested: 8/23/2011
Owner/Operator: [REDACTED]
Address: [REDACTED] AZ [REDACTED]

This certified that the above designated device has successfully met all test and been thoroughly inspected for the conformance with all operational specifications in accordance with diversified inspections/TTL and with the requirements of NFPA 1911 standards for testing fire department aerial ladders and elevating platforms, American Welding Society D 1.186, and American Society for Testing Materials.

All specified mechanical and nondestructive evaluations have been conducted at [REDACTED] by Diversified Inspections/TTL.

Inspector: Robert Browning Date: 8/30/2011



Diversified Inspections/TTL
Post Office Box 39669
Phoenix, AZ 85069, (602) 995-5800

**REPORT
OF
INSPECTION**

CUSTOMER [REDACTED] FIRE DISTRICT

LOCATION [REDACTED]

INSPECTOR ROBERT BROWNING

MANUFACTURER SUTPHEN

MODEL NO. SPH-100 TELESCOPING MM TYPE ALUM. PLAT.

SERIAL NO. [REDACTED] YR. OF MFG. 2009

UNIT NO. UNIT 3140 TEST DATE 9/20/10

The information provided in this report is the result of the specific testing and inspection procedures conducted by DIVERSIFIED INSPECTIONS/ITL ("DII") on the equipment and identified herein, as limited by the scope of work authorized by the customer (the "Test Results"). The Test Results reflect only the conditions of the components tested or inspected within the scope of work authorized. We have reviewed neither the maintenance records nor the actual use of the equipment before or after the date of the testing or inspection. NO ATTEMPT HAS BEEN MADE AND NO INFORMATION IS RENDERED WITH RESPECT TO ANY CONDITIONS OF THE EQUIPMENT OR ANY COMPONENT OTHER THAN AS EXPRESSLY STATED IN THE WRITTEN TEST RESULTS. SPECIFICALLY, BUT WITHOUT LIMITATIONS, NO INFORMATION, TESTING OR INSPECTION SERVICES ARE RENDERED CONCERNING EQUIPMENT DESIGN, SUITABILITY OF THE EQUIPMENT FOR ANY PARTICULAR PURPOSE OF THE FUTURE SERVICEABILITY OF THE EQUIPMENT. THE TEST RESULTS SHOULD NOT BE CONSTRUED AS STATEMENT THAT THE EQUIPMENT IS SAFE OR SERVICEABLE.

The information provided in this report is not a substitute for proper use, maintenance, modification, inspection and repair of the equipment, who shall assure safe operation of the equipment within its intended limitation. Furthermore, nothing in the Test Results should be construed as a recommendation for corrective action and DII has not and will not supervise corrective action of any condition found to exist, as such in the sole responsibility of the owner/operator and it is hereby expressly excluded from the scope of the work performed by DII. The Test Results are intended solely for informational purposes of the customer and should not be utilized or relied upon by any other person.



Diversified Inspections, Inc./ITL

Post Office Box 85069, Phoenix, Arizona 85069, (800) 992-1111

Diversified Inspections, Inc. / ITL will issue a certificate of inspection upon the completion of the inspection and repair of any defects that may affect certification. These defects will be listed as affecting certification on the summary page of your inspection report.

A load test must be conducted successfully on any item that requires load bearing components to be removed or replaced before a certificate can be issued. On all other defects, after repairs have been completed in accordance with manufacturer's guidelines, please send a written notice including the job order number, unit number of vehicle and copy of the repair invoice with the signature of the fire department's representative to the following address:

Diversified Inspections, Inc. / ITL
P.O. Box 85069
Phoenix, Arizona 85069
Fax (602) 864-6975

We certainly appreciate the opportunity to be of service to you and your department. If you have any questions or need additional information, please do not hesitate to contact us at 1-800-992-1111.

**Diversified Inspections, Inc./ITL**

Post Office Box 85069, Phoenix, Arizona 85069, (800) 992-1111

OPERATIONAL TEST / LOAD TEST / DRIFT TESTCustomer [REDACTED] Unit # UNIT 3140 Date 9/20/10Engine R.P.M. 1400Hydraulic Pressure 2300 P.S.I.Maximum Reach 88.5'Maximum Height 100'Drift Test Start Time 9:30, 11Stop Time 10:30, 12**DRIFT TEST**

OUTRIGGER: Hydraulic Oil at Ambient Temperature
Front Streetside 0.005" Front Curbside 0.005"
Rear Streetside 0.005" Rear Curbside 0.005"

LIFT CYLINDER: Ladder or Lower Boom R.L: 0.013", 0.014"
Upper Boom N/A
Extension Cyl. R.L: 0.025", 0.024"

OPERATIONAL TEST**AERIAL LADDERS / ELEVATING PLATFORM**

Set Outriggers 55 Seconds.
Raise Ladder 60° NE Seconds.
Complete Rotation NE Seconds.
Fully Extend NE Seconds.
Raise Ladder 60°, Rotate 90°, Fully Extend 115 Seconds 150 Allowed.
Load Test N/A ° at N/A lbs. N/A ° at N/A lbs.

ARTICULATING BOOM

Set Outriggers N/A Seconds.
Raise Ladder 60° N/A Seconds.
Complete Rotation N/A Seconds.
Fully Extend N/A Seconds.
Raise Lower Boom 90°, Raise Platform to Max. Ht., Rotate 90° N/A Seconds N/A Allow
Stability Test Load 1000 lbs.



Customer [REDACTED] Unit # UNIT 3140 Date 9/20/10

Kind of U.T. Machine PANAMETRICS Transducer MHz. 5

Type of MT Machine PARKER CONTOUR Amps. 6 DC or AC

Name of Penetrant			N/A	Cleaner Batch#	N/A	Developer Batch #	80
Penetrant Batch #			N/A	Penetrant Dwell Time	N/A	Developer Dwell Time	

Type of Hardness Tester BARBER C. Lowest Acceptable Reading 72-85

1. BACKLASH RECORDED AT 1/8" FROM EDGE OF TURNTABLE. BEARING CLEARANCE RECORDED AT 0.005" AT TOP OF TURNTABLE. ALL TWIST READING RECORDED BELOW 0.750" AT TIP OF EACH SECTION OF BOOM BASRAILS. ALL HARDNESS READINGS ACCEPTABLE BETWEEN 72-80. HARNESS READINGS TAKEN AT 12 INCH INTERVALS AT HAND AND BASRAILS.

2. NO OIL SAMPLE WAS AVAILABLE AT TIME OF INSPECTION.

3. SHORTJACK, EMERGENCY POWER, INTERLOCK OVERRIDES, TRANSMISSION, ENGINE SPEED, CAB OBSTRUCTION, AND LOCKOUT OVERRIDES CHECKED FOR OPERATION. BACKUP STABILIZER HYDRAULIC AND AERIAL HYDRAULIC CONTROLS CHECKED FOR OPERATION.

4. TORQUE OF L. ROT. BOLTS ON THIS UNIT WOULD REQUIRE EXCESSIVE REMOVAL OF COMPONENT

Comments: UT, MT, HT CONDUCTED AT KEY WELDS, PINS, AND BOLTS.

UT = Ultrasonics

MT = Magnetic Particle

PT = Liquid Penetrant

UIT = Pins Unable to Test

HT = Hardness Test

ET = Eddy Current

**Diversified Inspections, Inc./ITL**

Post Office Box 85069, Phoenix, Arizona 85069, (800) 992-1111

SUMMARY OF TEST

Customer [REDACTED]
Unit # UNIT 3140 Date 9/20/10 Year of Manufacture 2009
Manufacturer SUTPHEN *Unit Defect Category # II
Model # SPH-100 TELESCOPING MM Serial # [REDACTED] Aerial Hours 165
Weather Conditions OVERCAST, HUMID, LIGHT WIND Wind Velocity 0-10
Inspector ROBERT BROWNING Temperature 100 DEGREES

REASON FOR TEST

Annual Inspection ☒ Preservice ☐ Collision ☐ Before Repair ☐ After Repa

APPLICABLE NDT METHODS AND INSPECTIONS

	Satisfactory	See Defects Pg	N/A
Ultrasonic Test of Pins.	X		
Magnetic Particle Test of Welds.	X		
Operational Test of Aerial Unit.		X	
Torque Check of Accessible Bolts.		X	
Hardness Test of Aluminum Ladder.	X		
Drift Test of Hydraulic Cylinders.	X		
Load Test of Aerial Ladder.			X
Stability Test of Aerial Platform.	X		
Dye Penetrant Test of Welds.			X
Hydraulic Oil Analysis (available via Internet*)			X
Eddy Current.			X
Ground Ladder Test.			X
Other.		X	

*** Hydraulic Oil Analysis:**

All hydraulic oil analysis reports will be available at <http://www.stavelyfa.com>. If you should need assistance in obtaining your reports please contact our office. If there should be a problem with a vehicle's analysis you will be notified as soon as possible by our company.

***Category Classification**

- I. Items - Unit Shall Be Taken From Service
- II. Items That Will Affect Certification of Aerial Unit
- III. Items That Can Be Repaired at Regular Maintenance
- IV. Items for Information Purpose
- V. No Defects Noted at Time of Inspection

Defects Noted on Defect Page

3.3
m.p.h.



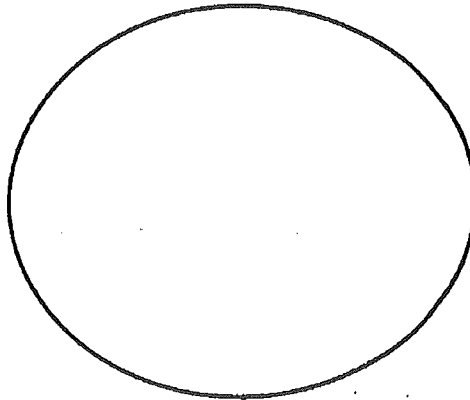
Diversified Inspections, Inc./ITL

TORQUE DATA SHEET

Customer [REDACTED] Unit # UNIT 3140 Date 9/20/10

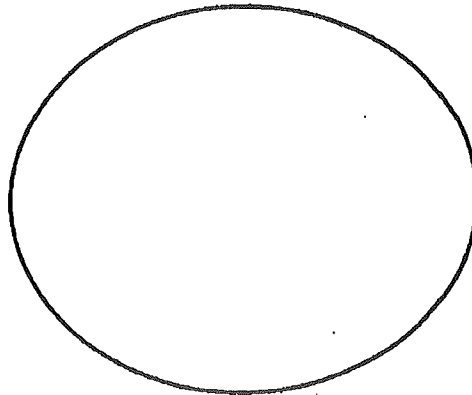
TOP TURNTABLE BEARING ATTACHMENT BOLTS:

Number of bolts checked 30 OF 36 at 250-300 foot pounds.



LOWER TURNTABLE BEARING ATTACHMENT BOLTS:

Number of bolts checked UNACCESSIBLE at 250-300 foot pounds.



COMMENTS: RGRB, F. JACK T @ 175, 75 FP, CRADDLE, EXT CYN, W, WAY T @ 140-160, OR T @ 550-81

T = TORQUE

⊖ = UNACCESSABLE BOLTS



1987

Unit # UNIT 3140

		A	R	N				A	R	N				A	R	N
HOLDING VALVES					3-5.7	PLATFORM GATES LATCHES					3-6.7	PLATFORM LEVELING LINKAGES				
EXTENSION CYLINDERS		X			A.	Proper Alignment		X			A.	Welds, Dents, Bends		X		
					B.	Operation		X			B.	NDT Welds		X		
OPERATING CONTROLS					3-5.8	PLATFORM HINGE PIN					3-6.8	HYDRAULIC LINES, HOSES (LOWER BOOM)				
Operation/Return to Neutral		X			A.	Proper Installation/Lubrication				X		Mounting		X		
Leakage		X			B.	NDT Rings Pins				X		Wear		X		
DIVERTER VALVE LEAKAGE		X			3-5.9	PLATFORM CONTROLS						Leakage		X		
					A.	Identification/Warning		X								
					B.	Operation/Return to Neutral		X			3-6.9	HYDRAULIC LINES KNUCKLES				
					C.	Lower Control Override		X			A.	Fluid Leakage		X		
POSITIVE STOP/ALIGNMENT		X			3-6.10	UNAUTHORIZED MODIFICATIONS OF ADDED WEIGHT		X			B.	Wear		X		
Proper Operation																
STABILIZER DEPLOYMENT (See Operation Page)		X			3-6.11	PLATFORM MONITOR/NOZZLE					3-6.11	CHAINS, CABLES, PADS				
				X	A.	Operation		X			A.	Wear			X	
MANUAL SPRING LOCK Condition				X	B.	Welds		X			B.	Adjustment			X	
Operation																
TRACTOR SPRING LOCKOUT OPERATION				X	3-6.12	BOOM ILLUMINATION		X								
ELEVATING PLATFORM/BOOM TEST		X			3-6	ARTICULATING BOOM/LOWER BOOM TEST		X			3-6.12	BOOM SUPPORT				
											A.	Welds, Dents, Bends		X		
											B.	NDT Welds		X		
PLATFORM MOUNTING BRACKETS					3-6.1	HINGE PINS					3-6.13	LOWER BOOM ANGLE INDICATOR LIGHTS				
Welds		X			A.	Installation		X		X				X		
NDT Welds		X			B.	NDT Pins		X		X						
NDT Pins/Bolts		X			3-6.2	LOWER BOOM ELEVATION CYLINDER EARS					3-6.14	PNEUMATIC/ELECTRIC LINES				
											A.	Mounting		X		
PLATFORM Weld Condition		X						X			B.	Wear		X		
NDT Welds		X						X			C.	Kinks		X		
HYDRAULIC/PNEUMATIC/ELECTRICAL LINES					3-6.3	LOWER BOOM ELEVATING CYLINDER					3-7	ARTICULATING BOOM/UPPER BOOM TEST				
Mounting		X			A.	Cylinder Rod		X			3-7.1	UPPER BOOM ALIGNMENT WITH LOWER BOOM				
Wear		X			B.	Cylinder Rod to Barrel End		X			3-7.2	PLATFORM LEVELING LINKAGE				
					C.	Gloved Seal		X			A.	Welds, Dents, Bends				
						Drift Test					B.	NDT Welds				
AUXILIARY WINCH MOUNTING					3-6.4	HOLDING VALVES		X								
Mounting Bolts/Grade/Installation				X												
Bolt Torque				X	3-6.5	BOOM ASSEMBLY										



ner

Unit # UNIT 3140

	A	R	N		A	R	N		A	R
1L				3-8.1 Cont.				3-8.14 Cont.		
Lubrication			X	C. NDT Welds	X			A. Proper Mounting	X	
operation			X	D. Hardness Test, Nonferrous				B. Wear/Abrasions	X	
NDT Pins			X		X					
BOOM ASSEMBLY				3-8.2 ANCILLARY BOOM LADDER				3-9 OPERATION TEST THROUGH		
Welds, Dents, Bends			X	A. Welds	X			LOAD TEST 3-11.8	X	
Fasteners			X	B. Mounting	X			See Operation Test Pages		
NDT Welds			X	3-8.3 GUIDES, WEAR STRIPS,				3-12 WATER SYSTEM TEST		
Hardness Test, Nonferrous				PADS, SLIDE BLOCKS				3-12.1 WATER WAY SYSTEM		
Material			X	A. Installation	X			A. Operation		
HYDRAULIC LINES/HOSES				B. Wear	X			B. Rust/Corrosion		
Mounting			X	3-8.4 EXTENSION SLEEVES				C. Blockage		
Wear			X	A. Proper Mounting/Wear	X			3-12.2 WATER WAY ATTACHMENT		
Leakage			X	B. NDT Welds	X			A. Bolts, Welds	X	
CABLES, CHAIN, RODS				C. NDT Retaining Bolt	X			B. NDT Welds	X	
Wear			X	3-8.5 EXTENSION CABLES	X			3-12.3 PRESSURE TEST		
Adjustments			X	3-8.6 ELEVATION INDICATOR	X			3-12.3.1 TELESCOPING BOOMS		
SPROCKETS, PULLEYS, HOOKS				3-8.7 MAXIMUM EXTENSION				A. Refraction Leak Test		
Lubrication			X	WARNING DEVICE		X		B. Extension Leak Test		
Wear			X	3-8.8 PLATFORM LEVELING CYLINDERS				3-12.3.2 ARTICULATING BOOM		
Operations			X	A. Cylinder Rod	X			A. Pressure Test		
UPPER BOOM				B. Cylinder Rod to Barrel Seal	X			B. Leaks		
HOLD DOWN DEVICE			X	C. Proper Installation	X			3-12.3.3 TELESCOPING/		
Proper Operation			X	D. NDT Welds	X			ARTICULATING BOOM		
NDT Welds				E. NDT Pins	X			A. Refraction Leak Test		
SAFETY STOP				3-8.9 HYDRAULIC LINES/HOSES IN BOOM				B. Extension Leak Test		
MECHANISM			X	A. Leakage	X			C. Pressure Test		
ELEVATION CYLINDER EARS/PLATES				B. Wear	X			D. Leaks		
Welds			X	3-8.10 EXTENSION CYLINDER				3-12.3.4 WATER WAY		
NDT Ears/Plates			X	ANCHOR EARS/PLATES				OPERATION		
UPPER BOOM ELEVATION				A. Welds	X			3-12.4 FLOW METER		
CYLINDERS			X	B. NDT Welds	X			A. Accuracy		
Cylinder Rod			X	3-8.11 EXTENSION CYLINDER PINS				3-12.5 WATER PRESSURE GAUGE		
Cylinder Rod to Barrel Seam			X	A. Proper Installation/	X			A. 160 PSI		
Drift Test				Retention	X			B. 200 PSI		
HOLDING VALVES			X	B. NDT Pins	X			C. 250 PSI		
PNEUMATIC/ELECTRICAL LINES				3-8.12 EXTENSION CYLINDER				3-12.6 RELIEF VALVE		
Mounting			X	A. Cylinder Rod	X			3-13 SIGNS	X	
Wear			X	B. Cylinder Rod to Barrel Seal	X			3-14 RECORDS		
TELESCOPING BOOM TEST	X			C. Drift Test	X			A. Bolt Torque	X	
BOOM ASSEMBLIES				3-8.13 HOLDING VALVES	X			B. NDT	X	
Welds, Dents, Bends	X			3-8.14 PNEUMATIC/ELECTRICAL				C. Various Measurements	X	
Fasteners	X			LINES	X					



Diversified Inspections, Inc./ITL
Post Office Box 85089, Phoenix, Arizona 85089, (800) 992-1111

VISUAL INSPECTION REF
ELEVATING PLATFORM
PA

per

Unit # UNIT 3140

ID: A = Acceptable R = Repair Required (See Defect Page) N = Not Applicable

led By: ROBERT BROWNING

NDT Level 2

A R N			A R N			A R		
3-3.1	ISIS		3-3.8	ELEVATION, EXTENSION		3-3.25	UNIT MAIN FRAME	
	Axle "U" Bolts			ROTATION LOCK		A.	Frame Condition	
	Spring/Shocks			External Fluid Leakage		B.	NDT Inspection	
	Spring Shackles			Operation Elevating Lock				
	Suspension			Operation Extension Lock		3-3.26	TRANSMISSION/AERIAL	
	Main Frame			Operation Rotation Lock			INTERLOCKS OPERATION	
	Hydraulics							
	Other							
			3-3.9	HYDRAULIC OIL		3-3.27	ENGINE SPEED	
				Results to be mailed back			INTERLOCKS	
	SERVICE RECORDS							
	CHECKED		3-3.10	POWER TAKEOFF		3-3.28	BREATHING AIR SYSTEMS	
				Fluid Leakage		A.	Proper Installation	
	TURNTABLE/TORQUE BOX			Proper Operation		B.	Mounting Brackets	
						C.	NDT Mounting Welds	
						D.	Proper Air Pressure	
	ROTATION BEARING		3-3.11	HYDRAULIC PUMP		3-4	STABILIZER TEST	
	MOUNTING BOLTS			External Fluid Leakage				
	Proper Grade					3-4.1	STABILIZER STRUCTURAL	
	Bolt Torque					A.	Weld Condition	
	NDT Accessible Bolts					B.	NDT Welds	
			3-3.12	COLLECTOR RINGS				
	TORQUE BOX MOUNTING			Foreign Material		3-4.2	STABILIZER PADS	
	TO FRAME			Ring Condition		A.	Pads Present	
	Proper Grade/Installation			Proper Operation		B.	Proper Construction	
	Bolt Torque					C.	Proper Condition	
	NDT Accessible Bolts		3-3.17	OPERATING CONTROLS		3-4.3	STABILIZER MOUNTING	
	NDT Accessible Welds			Missing, Damaged, Control Handles		A.	Mounting Condition	
				Identification, Fluid Leakage		B.	Proper Bolt Grade	
				Operation/Return to		C.	Proper Bolt Torque	
				Neutral		D.	NDT of Bolts	
	ROTATION GEAR/BEARING		3-3.18	LOAD LIMIT		3-4.4	HYDRAULIC LINES/HOSES	
	Rotation Gear-			INDICATORS		A.	Condition	
	Missing, Damaged,					B.	Leakage	
	Misalignment, Lubrication		3-3.19	EMERGENCY HANDCRANK		3-4.5	STABILIZER INTERLOCK	
	Record Inner Bearing to Outer			CONTROLS			WARNING DEVICES	
	Bearing Clearance	0.006				3-4.6	STABILIZER EXTENSION	
			3-3.20	AUXILIARY HYDRAULIC		A.	CYLINDER PIN	
	ROTATION GEAR REDUCTION			POWER		B.	Proper Installation,	
	BOX MOUNTING						Operation	
	Proper/Bolt Grade/		3-3.21	TURNTABLE ALIGNMENT			Lubrication, Retention	
	Installation			INDICATOR			NDT Pins	
	Bolt Torque					3-4.7	STABILIZER EXTENSION CYLINDER	
	Weld Inspection					A.	Cylinder Rod	
	NDT Bolts					B.	Cylinder Rod to Barrel Seal	
			3-3.22	THROTTLE CONTROL				
	TURNTABLE STRUCTURAL COMPONENTS			Operation				
	Weld Condition			Operation RPM	1400			
	NDT Structural		3-3.23	COMMUNICATIONS SYSTEM				
				Proper Installation				
	ROTATION HYDRAULIC			Proper Operation				
	SWIVEL		3-3.24	RELIEF HYDRAULIC				
				PRESSURE				
	HYDRAULIC HOSES IN							
	TURNTABLE							

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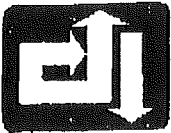
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diversified Inspections/Independent Testing Labs, Inc.

PLEASE REMIT TO:
POST OFFICE BOX 37109
PHOENIX, ARIZONA 85069
PHONE: (602) 995-5800

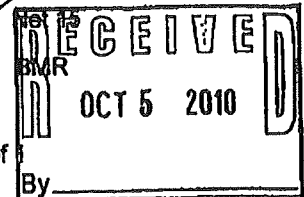
INVOICE 192758-DITL

PO #

DATE 9/28/2010

TERMS

SALES ID



Page: 1 of 1

Attn:

Phone:

Annual safety inspections on the following equipment:

<u>Account</u>	<u>Date</u>	<u>Unit No.</u>	<u>Manufacturer</u>	<u>Serial Number</u>
3034	9/20/10	3140	Sutphen	

<u>Inspector</u>	<u>Amount</u>
90705	750.00

6045 9/20/10

Fuel Surcharge

90705

18.75

POSTED

Approved [Signature]

Date 10/11/10

Approved [Signature]

Date 10/11/10

PAID
10/13/10

Invoice Total:

768.75

A SERVICE CHARGE OF 1 1/2% PER MONTH or an ANNUAL PERCENTAGE RATE of 18% will be charged on all past due accounts, and all costs of collection including reasonable attorney's fees to be paid by Purchaser.

Fire Dept Product Voucher		Acct #	
Original SO#		\$100,445.21	G/L: 1880.00
Items to be billed on SO# 137295			
Payment for these invoices from G/L: 1880.00			
Invoices created on SO# 137295			
Invoice #	Amount		
401185	4873.85	pd	
403417	89179.18	pd	
403411	1717.18	pd	
404701	308.48	pd w/cm16666	
cm16666	-908.69	\$448.99 used- \$457.06 remaining	
408718	284.39	pd	
411541	142.53	pd w/ CM17144	
cm17144	-142.53	applied to 411541	
411550	142.53	pd w/ CM1686	
412818	284.39	pd w/CM17227	
cm17227	-284.39	applied to 412818	
413151	2358.85	pd w/cm17281	
cm17281	-2358.85	applied to 413151	
413738	2358.85	pd w/cm17282	
cm17282	-2358.85	applied to 413738	
412819	142.53	pd w/cm17228 and 2.64 from cm16666	
Total	95737.21		
Amount remaining	\$4,708.00	(457.06 of this on acct)	
		\$4250.94 in 1880.00	
Paid Ch# 02976452 \$100,445.21			
Date: 10/5/09			
404627	64.88	pd w/ck02971372	
404363	139.89	pd w/ck02971372	

Credit 2,551.36

OK 2022.09

Kelly

1-2 WKS

#

CUSTOMER

UNIT NO. UNIT 3140

DATE 9/20/10

DISCREPANCY SUMMARY

(Page 1 of 2)

II	LOOSE REAR TANDEM AXLE SUSPENSION HANGER BOLTS FOUND LOOSE AT INSIDE HANGER ATTACHMENT TO FRAME. BOLTS ARE 5/8", GRADE 8, AND REQUIRE 175-185 FOOT POUNDS OF TORQUE.
II	THE LADDER SLIDING AREAS REQUIRE A THIN FILM OF LITHIUM BASED GREASE TO PREVENT WEAR OF SLIDE BLOCKS, CABLES, AND IRONING OF ALUMINUM SECTIONS.
IV	NOTE: THE CURBSIDE OF PLATFORM SITS APPROXIMATELY THREE INCHES LOWER THAN THE STREETSIDE OF PLATFORM. THIS TWIST AT PLATFORM CAN BE SEEN BEST BY LEVELING TRUCK, AND FULLY EXTENDING LADDER OF REAR OF TRUCK. LADDER TWIST READINGS ARE AS FOLLOWS, BASE: 0", INNER MID: 0.276", MID: 0.318", OUTERMID: 0.248", FLY: 0.363". ALL OF THE LADDER SECTION TWIST READINGS ARE BELOW 0.750" AND ARE ACCEPTABLE. NO SPECIFIC TOLERANCE IS GIVEN FOR TWIST OF PLATFORM.
IV	NOTE: THE LOWER ROTATION BEARING BOLTS WERE INACCESSIBLE FOR TORQUE VERIFICATION. RECOMMEND CONTACTING SUTTHEN ABOUT PERIODIC CHECK OF LOWER ROTATION BOLTS. ACCESS REQUIRE REMOVAL OF SEVERAL COMPONENTS.

(page 2 of 2)

[illegible]**Defects Noted at Time of Inspection**

Report received by

The information provided in this report is not a substitute for proper use, maintenance, modification, inspection and repair of the equipment which remains the sole responsibility of the owner/operator of the equipment, who shall assure safe operation of the equipment within its intended limitation. Furthermore, nothing in the Test Results should be construed as a recommendation for corrective action and DII is not and will not supervise corrective action of any condition found to exist, as such is the sole responsibility of the owner/operator and it is hereby expressly excluded from the scope of the work performed by DII. The Test Results are intended solely for informational purposes of the customer and should not be utilized or relied upon by any person.



Diversified Inspections, Inc./ITL

Post Office Box 85089, Phoenix, Arizona 85089, (800) 992-1111

*Cert
Sent
9/22/10*

Letter of Certification

I, [Redacted] of [Redacted] Fire
Department hereby certify that items, No. 9/22/10 1 through 9/22/10 2, listed on the
Summary Page of our Report of Inspection have been repaired in accordance with
manufacturer's specifications so that certification of my aerial unit No. 3140 is
possible.

Therefore, please mail my certification of inspection to the following address:

[Redacted]

Street of Post Office Box

[Redacted]

AZ

[Redacted]

City, State and Zip Code

SIGN: [Redacted]

TITLE: Asst. Chief

EMAIL*: [Redacted]

DATE: 9/22/10

DATE OF TEST: 9/20/10

Send to: Diversified Inspections, Inc./ITL

P.O. Box 39689

Phoenix, AZ 85089

Fax to: (602) 864-9055

* If you would like to receive your certificate via email, please provide your email address.

CERTIFICATION OF INSPECTION

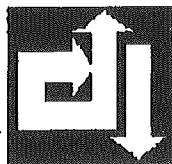
Certified Report of Mechanical, Nondestructive Tests, And Specifications Conformance

Unit No: 3140
Model: SPH-100 Telescoping
Serial No: [REDACTED] Date Tested: 9/20/2010
Owner/Operator: [REDACTED]
Address: [REDACTED] AZ [REDACTED]

This certified that the above designated device has successfully met all test and been thoroughly inspected for the conformance with all operational specifications in accordance with diversified inspections/ITL and with the requirements of NFPA 1911 standards for testing fire department aerial ladders and elevating platforms, American Welding Society D 1.186, and American Society for Testing Materials.

All specified mechanical and nondestructive evaluations have been conducted at [REDACTED] by Diversified Inspections/ITL.

Inspector: Robert Browning Date: 9/30/2010



Diversified Inspections/ITL
Post Office Box 39669
Phoenix, AZ 85069, (602) 995-5800

- Daily Vehicle Check: Tower 151

Revised: 9/12/2010

CVPD EXA 40

Month/Year: Feb 2011

Dates: Sun. 2/6 Mon. 2/7 Tues. 2/8 Wed. 2/9 Thurs. 2/10 Fri. 2/11 Sat. 2/12

Shop #: 3140

	Sun. 2/6	Mon. 2/7	Tues. 2/8	Wed. 2/9	Thurs. 2/10	Fri. 2/11	Sat. 2/12
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th	6468	6468	6473	6473	6473	6479	6479
Engine Hrs: 1st and 15th	550	550	551	551	551	552	
Aerial Hours 1st and 15th				203.4			
Generator Hours 1st and 15th				96.5			
Fuel Level: Capacity: 65 gallons	F	Full	3/8	7/8	3/8	7/8	7/8
Warning Lights, Buzzers, etc.	✓	✓	✓	✓	✓	✓	✓
Gauges & Instruments	✓	✓	✓	✓	✓	✓	✓
Oil/Air Pressure	✓	✓	✓	OK	✓	120/80	✓
Oil/Transmission Temp.	✓	✓	✓	✓	✓	✓	✓
Coolant Temp.	✓	✓	✓	✓	✓	✓	✓
Electrical: Volts/Amps	✓	✓	✓	✓	✓	✓	✓
Radios/Headsets/Cell Phone/Pager	✓	✓	✓	✓	✓	✓	✓
Clipboard/Paperwork/Maps/Passport	✓	✓	✓	✓	✓	✓	✓
Safety Vest/Brush Shirts/Fire Shelter	✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights	4	✓	4	4	4	✓	✓
Supra Key / RAD Detector	✓	✓	✓	✓	✓	✓	✓
Thermal Camera (TIC) Batteries	✓	✓	✓	✓	✓	✓	✓
Lights: Running/warning/scene	✓	✓	✓	✓	✓	✓	✓
Code 3 Equipment	✓	✓	✓	✓	✓	✓	✓
Tires / Wheels	✓	✓	✓	✓	✓	✓	✓
10 Step Air Brake Check (see back)	✓	✓	✓	✓	✓	✓	✓
Detailed Aerial Check (see pg. 3)	✓	✓	✓	✓	✓	✓	✓
Aerial PTO - #1	✓	✓	✓	✓	✓	✓	✓
Hydraulic Generator PTO - #2	✓	✓	✓	✓	✓	✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)	✓	✓	✓	✓	✓	✓	✓
Water Tank Level 300 gallons	F	Full	F	Full	F	Full	F
Foam tank Level 30 gallons	F	Full	F	Full	F	Full	F
Daily Pump Check	✓	✓	✓	✓	✓	✓	✓
Detailed Pump Check (see pg. 2)	✓	✓	✓	✓	✓	✓	✓
Jump Bags(Airway/Trauma/Peds)	1500	✓	✓	✓	✓	✓	✓
O2 Level	1400	1400	1300	1300	1400	1400	1400
ECG Monitor	✓	✓	✓	✓	✓	✓	✓
CEP Drug Box / RSI Drug Box	✓	✓	✓	✓	✓	✓	✓
Suction Unit	✓	✓	✓	✓	✓	✓	✓
Miscellaneous Supplies	✓	✓	✓	✓	✓	✓	✓
Drinking Water	✓	✓	✓	✓	✓	✓	✓
Hand Tools/Wild Land/Appliances	✓	✓	✓	✓	✓	✓	✓
Engineers Headset/Flashlights	✓	✓	✓	✓	✓	✓	✓
Portable Extinguishers(ABC/PW)	✓	✓	✓	✓	✓	✓	✓
Power Tools / Fuel Cans	✓	✓	✓	✓	✓	✓	✓
Run Power Tools (see back)	✓	✓	✓	✓	✓	✓	✓
Tool Bag/Tools/Slim Jim	✓	✓	✓	✓	✓	✓	✓
Snake Box/Pole	✓	✓	✓	✓	✓	✓	✓
Foam containers/Eductor	✓	✓	✓	✓	✓	✓	✓
SCBA/Spare Air Bottles	✓	✓	✓	✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)	✓	✓	✓	✓	✓	✓	✓
RIT Bag / Safety Ropes	✓	✓	✓	✓	✓	✓	✓

Safety Equipment: Cones, Flares	✓	✓	✓	✓	✓	✓	✓
Wheel Chocks	✓	✓	✓	✓	✓	✓	✓
Ladders	✓	✓	✓	✓	✓	✓	✓
Portable Monitor w/ chains	✓	✓	✓	✓	✓	✓	✓

SCBA INSPECTION

	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain	4000	4000	4000	4000		* 4500	4500
SCBA 2 Engineer	4500	4500	4500	4500		* 4500	4500
SCBA 3 FF #1	4500	4500	4500	4500		* 4500	4500
SCBA 4 FF #2	4500	4500	4500	4500		* 4500	4500
RIC BAG							

Work Hours	4	4	4	4			
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SPARE AIR CYLINDERS

Spare 1	4500	4500	4500	4500		* 4500	4500
Spare 2	4500	4500	4500	4500			
Spare 3	4500	4500	4500	4500			
Spare 4	4500	3900	4500	4500			
Spare 5	4500	3900	4500	4500			
Spare 6		4100	4500	4500			

WEEKLY INSPECTIONS

	Sun.	Wed.
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Check Fluids	2/6	2/6
Engine Oil	✓	✓
Transmission	✓	✓
Coolant	✓	✓
Brake/Air Pressure	✓	✓
Power Steering	✓	✓
Wiper Fluid	✓	✓
Check Battery/Battery	✓	✓
Check Belts/Hoses	✓	✓
Check Breather Valve/Transmission	✓	✓
Check Front Brakes & Lines	✓	✓
Check Rear Brakes and Lines	✓	✓
Check Suspension/Steering Components	✓	✓
Check Drive Line	✓	✓
Check for any Fluid Leaks/Note	✓	✓
Check Front/Rear Tire Wear/Tread	✓	✓

10 Step Air-Brake Check

	Tues.
1. Air Chambers, Air lines	✓
2. Check Drums/Disc, Shoes/Pads	✓
3. Test Low Air-Pressure Warning	75
4. Automatic Spring Brake Set	25
5. Rate of Air-Pressure Build up	✓
6. Test Air Leakage Rate	✓
7. Check Air-Compressor Governor Cut In/Out	

Check Tire Pressures	LF 120	RF 120	LF 120	RF 120
All at 120	2nd Axle	O-LR 120	O-RR 120	O-LR 120
O = Outside		I-LR 120	I-RR 120	I-LR 120
I = Inside	3rd Axle	O-LR 120	O-RR 120	O-LR 120
		I-LR 120	I-RR 120	I-LR 120

WEEKLY INSPECTIONS

Check gauges:	Date	Sat.
Engine RPM	✓	✓
Temperature	✓	✓
Fuel	✓	✓
Check Pump Volt/Amps	✓	✓
Inspect/Operate Drain Valves	✓	✓
Inspected all Intakes/Discharges	✓	✓
Check Priming Pump Operation	✓	✓
Check Proper Operation of Relief Valve	✓	✓
Flush & Drain Discharges	✓	✓
1st Sat. of month Flush and Refill Tank	✓	✓
Foam System Operational Check	✓	✓

	Mon.	Thurs.
Hydraulic Generator	✓	✓
Portable Generator	✓	✓
Fan's 1 and 2	✓	✓
Circular Saw/Blades	✓	✓
Chain Saw/Inspect Chain	✓	✓
Power plant-Rescue Tool	✓	✓
Spreaders	✓	✓
Short ram Long Ram	✓	✓
Inspect Saws-all	✓	✓
Refuel as Needed	✓	✓
Check Maint. Tag	✓	✓
Inspect Ladders/Halyards/Locks/etc.	✓	✓

Perform Weekly SCBA Inspections

(See Weekly SCBA Inspection Sheet)

Date: Initials:

Date: Initials:

Date: Initials:

Stabilizer Section		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level								
Hydraulic Leaks								
Functional Graphic Display Panel								
R / L Mid-Ship Stabilizers								
Auxiliary Ground Pads								
Rear Jacks								
Front Cab Jacks								
Stabilizer Interlock Graphic Display								
Audible Warning System								
Aux. Hydraulic Pump								
Hydraulic Transfer / Upper Power								
Emergency Hydraulic Pump/Controls								
Turn Table and Control								
Breathing Air System Pressure								
Raise / Lower								
Extend / Retract								
360 R / L Full Rotation @ 80 degrees								
Functional Graphic Display Panel								
Boom lights - Alarm Test - Ladder Lights								
PA / PPT Mike								
Turn Table Flood Lights								
Bucket Control Switch								
Safety Override Switch's								
Manual Hydraulic Override Controls								
Pedestal Hydraulic Lines, Any Leaks								
Safety Lines								
Smart Boom Warning System								
Stabilizer Interlock Override								
Rotational Interlock System								
Emergency Hydraulic Controls								
Platform Controls								
Functional Graphic Display Panel								
Bucket Control Power								
High Range / Creep Mode								
Raise / Lower								
Extend / Retract								
Rotation R / L								
Self Levelling System/Emg. Stop/Disable								
Leveling System Override								
Hyd. Reservoir for Levelling System								
Spot / Flood Lights / Ladder Lights								
Panel Light, Alarm Silence								
Manual and Remote Nozzle Controls								
Master Streams, Aux. Discharges								
Water Control Valves								
Platform Folding Egress Ladder								
Stokes Basket Arms, Lifting Eyes								
Breathing Air Gauge and Hook Ups								
Access/Egress Doors								
Hand Tools / Holders								
Aerial Inspection / Maintenance								
5 Ladder Sections, Slide Block Paths								
Aerial Extension / Retraction Cylinders								
Water Way Tubes								
Turn Table Hydraulic Lines								
Sheaves and Cables								
Cable Track / Wiring Harness								
Bucket Hydraulic Lines								
Bucket Levelling Cylinders								

RAW TUES - BY 3000H

ALL OK

Daily Vehicle Check: Tower 151

Revised: 4/4/2010

Month/Year: Feb/11

Shop #: 3140

Dates: Sun. Mon. Tues. Wed. Thurs. Fri. Sat.

Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th	6509	6509	6510	6510	6515	6515	6515
Engine Hrs: 1st and 15th	556	556	557	557	558	558	558
Aerial Hours 1st and 15th			0707	6707			
Generator Hours 1st and 15th			47.6				
Fuel Level: Capacity: 65 gallons	2/8	7/8	3/4	3/4	2/4	3/4	2/4
Cab Control/Instrument Panel/Equipment							
Warning Lights, Buzzers, etc.	✓	✓	✓	✓		✓	✓
Gauges & Instruments	✓	✓	✓	✓		✓	✓
Oil/Air Pressure	✓	*✓	✓	✓		✓	✓
Oil/Transmission Temp.	✓	✓	✓	✓		✓	✓
Coolant Temp.	✓	✓	✓	✓		✓	✓
Electrical: Volts/Amps	✓	✓	✓	✓		✓	✓
Radios/Headsets/Cell Phone/Pager	✓	✓	✓	✓		✓	✓
Clipboard/Paperwork/Maps/Passport	✓	✓	✓	✓		✓	✓
Safety Vest/Brush Shirts/Fire Shelter	✓	✓	✓	✓		✓	✓
Survivor Flashlights	4	✓x4	✓x4	✓x4		✓x4	4
Supra Key / RAD Detector	✓	✓	✓	✓		✓	✓
Thermal Camera (TIC) Batteries	✓	✓	✓	✓		✓	✓
Mechanical/Electrical							
Lights: Running/warning/scene	✓	✓	✓	✓		✓	✓
Code 3 Equipment	✓	✓	✓	✓		✓	✓
Tires / Wheels	✓	✓	✓	✓		✓	✓
10 Step Air Brake Check (see back)							
Detailed Aerial Check (see pg. 3)							
Aerial PTO - #1	✓	✓	✓	✓		✓	✓
Hydraulic Generator PTO - #2	✓	✓	✓	✓		✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)	*✓			*✓			
Water Tank Level 300 gallons	✓	✓	✓	✓		✓	✓
Foam tank Level 30 gallons	✓	✓	✓	✓		✓	✓
Daily Pump Check	✓	✓	✓	✓		✓	✓
Detailed Pump Check (see pg. 2)							*✓
EMS Equipment							
Jump Bags (Airway/Trauma/Peds)	1	✓	✓	✓		✓	✓
O2 Level	✓	✓	1106	1106		1106	1000
ECG Monitor (Weekly Detail Check)	✓		✓	✓		✓	✓
CEP Drug Box / RSI Drug Box	✓	✓	✓	✓		✓	✓
Suction Unit	✓	✓	✓	✓		✓	✓
Miscellaneous Supplies	✓	✓	✓	✓		✓	✓
Drinking Water	✓	✓	✓	✓		✓	✓
Wild Land Equipment							
Hand Tools/Wild Land/Appliances	✓	✓	✓	✓		✓	✓
Engineers Headset/Flashlights	✓	✓	✓	✓		✓	✓
Portable Extinguishers (ABC/PW)	✓	✓	✓	✓		✓	✓
Power Tools / Fuel Cans	✓	✓	✓	✓		✓	✓
Run Power Tools (see back)		*✓					
Tool Bag/Tools/Slim Jim		✓	✓	✓		✓	✓
Snake Box/Pole		✓	✓	✓		✓	✓
Foam containers/Eductor		✓	✓	✓		✓	✓
SCBA/Spare Air Bottles		✓	✓	✓		✓	✓
Weekly SCBA Inspection (see pg. 2)						*✓	
RIT Bag / Safety Ropes		✓	✓	✓		✓	✓

FIRE EQUIPMENT CONDITION							
Safety Equipment: Cones, Flares		✓		✓		✓	✓
Wheel Chocks		✓		✓		✓	✓
Ladders		✓		✓		✓	✓
Portable Monitor w/ chains		✓		✓		✓	✓

SCBA INSPECTIONS

SCBA	Inspector	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1	Captain		4400		4400	4400	* 4500	4400
SCBA 2	Engineer		4500		4500	4500	* 4500	4500
SCBA 3	FF #1		4400		4400	4500	* 4500	4400
SCBA 4	FF #2					4500	* 4500	4500
RIC BAG								
Voice Emitters						4	4	4
Spare Air Bottles								
Spare 1			4500		4500	4500	* 4500	4500
Spare 2			4500		4500	4500	* 4500	4500
Spare 3			4500		4500	4500	* 4500	4500
Spare 4			4400		4400	4500	* 4500	4500
Spare 5			4400		4400	4500	* 4500	4500
Spare 6			4500		4500	4500	* 4500	4500

WEEKLY INSPECTION

Check	Sun.	Wed.
Check Fluids		2/27
Engine Oil		✓
Transmission		✓
Coolant		✓
Brake/Air Pressure		✓
Power Steering		✓
Wiper Fluid		✓
Check Battery/Battery		✓
Check Belts/Hoses		✓
Check Breather Valve/Transmission		✓
Check Front Brakes & Lines		✓
Check Rear Brakes and Lines		✓
Ck Suspension/Steering Components		✓
Check Drive Line		✓
Check for any Fluid Leaks/Note		✓
Check Front/Rear Tire Wear/Tread		✓

10 Step Air-Brake Check	Tues.
1. Air Chambers, Air lines	
2. Check Drums/Disc, Shoes/Pads	
3. Test Low Air-Pressure Warning	
4. Automatic Spring Brake Set	
5. Rate of Air-Pressure Build up	
6. Test Air Leakage Rate	
7. Check Air-Compressor Governor	
Cut In/Out	

Check Tire Pressures	LF	RF	LF 120	RF 120
All at 120				
2nd Axle	O-LR	O-RR	O-LR 120	O-RR 120
	I-LR	I-RR	I-LR 120	I-RR 120
3rd Axle	O-LR	O-RR	O-LR 120	O-RR 120
	I-LR	I-RR	I-LR 120	I-RR 120

	Mon.	Thurs.
Hydraulic Generator	✓	✓
Portable Generator	✓	✓
Fan's 1 and 2	✓	✓
Circular Saw/Blades	✓	✓
Chain Saw/Inspect Chain	✓	✓
Power plant-Rescue Tool	✓	✓
Spreaders Cutters	✓	✓
Short ram Long Ram	✓	✓
Inspect Saws-all	✓	✓
Refuel as Needed	✓	✓
Check Maint. Tag	✓	✓

Check gauges:	Date	Sat/28
Engine RPM		✓
Temperature		✓
Fuel		✓
Check Pump Volt/Amps		✓
Inspect/Operate Drain Valves		✓
Inspected all Intakes/Discharges		✓
Check Priming Pump Operation		✓
Check Proper Operation of Relief Valve		✓
Flush & Drain Discharges		✓
1st Sat. of month Flush and Refill Tank		
Foam System Operational Check		

	Thurs.
Inspect Ladders/Halyards/Locks/etc.	✓

Perform Weekly SCBA Inspections
(See Weekly SCBA Inspection Sheet)
Date: 2-25-11 Initials: J.D.
Date: Initials: N/A

8 Low Air Alarm when started 2/25/11 SC

Weekly Aerial Inspection Checklist							
Stabilization System - Dates	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level			✓				
Hydraulic Leaks			✓				
Functional Graphic Display Panel			✓				
R / L Mid-Ship Stabilizers			✓				
Auxiliary Ground Pads			✓				
Rear Jacks			✓				
Front Cab Jacks			✓				
Stabilizer Interlock Graphic Display			✓				
Audible Warning System			✓				
Aux. Hydraulic Pump			✓				
Hydraulic Transfer / Upper Power			✓				
Emergency Hydraulic Pump/Controls			✓				
Turn Table and Controls							
Breathing Air System Pressure			✓				
Raise / Lower			✓				
Extend / Retract			✓				
360 R / L Full Rotation @ 80 degrees			✓				
Functional Graphic Display Panel			✓				
Boom Lights - Alarm Test - Ladder Lights			✓				
PA / PPT Mike			✓				
Turn Table Flood Lights			✓				
Bucket Control Switch			✓				
Safety Override Switch's			✓				
Manual Hydraulic Override Controls			✓				
Pedestal Hydraulic Lines, Any Leaks			✓				
Safety Lines			✓				
Smart Boom Warning System			✓				
Stabilizer Interlock Override			✓				
Rotational Interlock System			✓				
Emergency Hydraulic Controls			✓				
Platform - Buckets - Etc.							
Functional Graphic Display Panel			✓				
Bucket Control Power			✓				
High Range / Creep Mode			✓				
Raise / Lower			✓				
Extend / Retract			✓				
Rotation R / L			✓				
Self Levelling System/Emg. Stop/Disable			✓				
Leveling System Override			✓				
Hyd. Reservoir for Levelling System			✓				
Spot / Flood Lights / Ladder Lights			✓				
Panel Light, Alarm Silence			✓				
Manual and Remote Nozzle Controls			✓				
Master Streams, Aux. Discharges			✓				
Water Control Valves			✓				
Platform Folding Egress Ladder			✓				
Stokes Basket Arms, Lifting Eyes			✓				
Breathing Air Gauge and Hook Ups			✓				
Access/Egress Doors			✓				
Hand Tools / Holders			✓				
Visual Inspection of Ladder System							
5 Ladder Sections, Slide Block Paths			✓				
Aerial Extension / Retraction Cylinders			✓				
Water Way Tubes			✓				
Turn Table Hydraulic Lines			✓				
Sheaves and Cables			✓				
Cable Track / Wiring Harness			✓				
Bucket Hydraulic Lines			✓				
Bucket Levelling Cylinders			✓				

Mislead or Damaged Evidence - Has No Other Parameters

[illegible]

- Daily Vehicle Check: Tower 151

Revised: 4/4/2010

Month/Year: June 2011

Shop #: 3140

Dates:		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1								
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 15th	6879	6880	6890	6898	6898	6898	6898
Engine Hrs:	1st and 15th	612	612	613	615	615	615	615
Aerial Hours	1st and 15th				228	228		
Generator Hours	1st and 15th							
Fuel Level: Capacity: 65 gallons		F	F	F	F	F	Full	F
Mechanical/General								
Warning Lights, Buzzers, etc.		✓	✓	✓	✓	✓	✓	✓
Gauges & Instruments		✓	✓	✓	✓	✓	✓	✓
Oil/Air Pressure		✓	✓	✓	✓	✓	✓	✓
Oil/Transmission Temp.		✓	✓	✓	✓	✓	✓	✓
Coolant Temp.		✓	✓	✓	✓	✓	✓	✓
Electrical: Volts/Amps		✓	✓	✓	✓	✓	✓	✓
Radios/Headsets/Cell Phone/Pager		✓	✓	✓	✓	✓	✓	✓
Clipboard/Paperwork/Maps/Passport		✓	✓	✓	✓	✓	✓	✓
Safety Vest/Brush Shirts/Fire Shelter		✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights		✓	✓	✓	✓	✓	✓	✓
Supra Key / RAD Detector		✓	✓	✓	✓	✓	✓	✓
Thermal Camera (TIC) Batteries		✓	✓	✓	✓	✓	✓	✓
Mechanical/General								
Lights: Running/warning/scene		✓	✓	✓	✓	✓	✓	✓
Code 3 Equipment		✓	✓	✓	✓	✓	✓	✓
Tires / Wheels		✓	✓	✓	✓	✓	✓	✓
10 Step Air Brake Check (see back)				*				
Detailed Aerial Check (see pg. 3)				*				
Aerial PTO - #1		✓	✓	✓	✓	✓		
Hydraulic Generator PTO - #2		✓	✓	✓	✓	✓		
Cab / Hood Tilt-Eng. Inspect (see pg. 2)		*			*			
Water Tank Level 300 gallons		F	F	F		F	Full	F
Foam tank Level 30 gallons		F	F	F		F	Full	F
Daily Pump Check		✓	✓	✓		✓	✓	✓
Detailed Pump Check (see pg. 2)								*
EMS Equipment								
Jump Bags (Airway/Trauma/Peds)		✓	✓	✓		✓	✓	✓
O2 Level		1700	1700	1700		1700	1600	1600
ECG Monitor (Weekly Detail Check)		✓		✓		✓	✓	✓
CEP Drug Box / RSI Drug Box		✓	✓			✓	200	
Suction Unit		✓	✓	✓		✓		
Miscellaneous Supplies		✓	✓	✓		✓		
Drinking Water		✓	✓	✓		✓	✓	✓
Fire Equipment								
Hand Tools/Wild Land/Appliances		✓	✓	✓		✓	✓	✓
Engineers Headset/Flashlights		✓	✓	✓		✓	✓	✓
Portable Extinguishers (ABC/PW)		✓	✓	✓		✓	✓	✓
Power Tools / Fuel Cans		✓	✓	✓		✓	✓	✓
Run Power Tools (see back)		*	✓			*	✓	
Tool Bag/Tools/Slm Jlm		✓	✓	✓		✓	✓	✓
Snake Box/Pole		✓	✓	✓		✓	✓	✓
Foam containers/Eductor		✓	✓	✓		✓	✓	✓
SCBA/Spare Air Bottles		✓	✓	✓		✓	✓	✓
Weekly SCBA Inspection (see pg. 2)						*	✓	
RIT Bag / Safety Ropes		✓	✓	✓		✓	✓	✓

Machinery and Equipment Inspection Schedule							
Stabilization System	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level			✓				
Hydraulic Leaks			✓				
Functional Graphic Display Panel			✓				
R / L Mid-Ship Stabilizers			✓				
Auxiliary Ground Pads			✓				
Rear Jacks			✓				
Front Cab Jacks			✓				
Stabilizer Interlock Graphic Display			✓				
Audible Warning System			✓				
Aux. Hydraulic Pump			✓				
Hydraulic Transfer / Upper Power			✓				
Emergency Hydraulic Pump/Controls			✓				
Turntable and Controls							
Breathing Air System Pressure			✓				
Raise / Lower			✓				
Extend / Retract			✓				
360 R / L Full Rotation @ 80 degrees			✓				
Functional Graphic Display Panel			✓				
Boom lights - Alarm Test - Ladder Lights			✓				
PA / PPT Mike			✓				
Turn Table Flood Lights			✓				
Bucket Control Switch			✓				
Safety Override Switch's			✓				
Manual Hydraulic Override Controls			✓				
Pedestal Hydraulic Lines, Any Leaks			✓				
Safety Lines			✓				
Smart Boom Warning System			✓				
Stabilizer Interlock Override			✓				
Rotational Interlock System			✓				
Emergency Hydraulic Controls			✓				
Platform Controls - Egress							
Functional Graphic Display Panel			✓				
Bucket Control Power			✓				
High Range / Creep Mode			✓				
Raise / Lower			✓				
Extend / Retract			✓				
Rotation R / L			✓				
Self Levelling System/Emg. Stop/Disable			✓				
Leveling System Override			✓				
Hyd. Reservoir for Leveling System			✓				
Spot / Flood Lights / Ladder Lights			✓				
Panel Light, Alarm Silence			✓				
Manual and Remote Nozzle Controls			✓				
Master Streams, Aux. Discharges			✓				
Water Control Valves			✓				
Platform Folding Egress Ladder			✓				
Stokes Basket Arms, Lifting Eyes			✓				
Breathing Air Gauge and Hook Ups			✓				
Access/Egress Doors			✓				
Hand Tools / Holders			✓				
Aerial Extension and Retraction							
5 Ladder Sections, Slide Block Paths			✓				
Aerial Extension / Retraction Cylinders			✓				
Water Way Tubes			✓				
Turn Table Hydraulic Lines			✓				
Sheaves and Cables			✓				
Cable Track / Wiring Harness			✓				
Bucket Hydraulic Lines			✓				
Bucket Levelling Cylinders			✓				

- Daily Vehicle Check: Tower 151 5-11 ?

Revised: 9/12/2010

Month/Year: June 11

Shop #: 3140

Dates: Sun. Mon. Tues. Wed. Thurs. Fri. Sat.

		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1								
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 15th		6927	6942	6946	6976	6990	7001
Engine Hrs:	1st and 15th		623	625	627	629	631	634
Aerial Hours	1st and 15th				228.9			
Generator Hours	1st and 15th				56.3			
Fuel Level:	Capacity: 65 gallons	F	13/16	F	7/8	Full	7/8	F
Warning Lights, Buzzers, etc.								
Warning Lights, Buzzers, etc.		✓	✓	✓	✓	✓	✓	✓
Gauges & Instruments								
Gauges & Instruments		✓	✓	✓	✓	✓	✓	✓
Oil/Air Pressure		✓	*✓	✓	✓	✓	✓	✓
Oil/Transmission Temp.		✓	✓	✓	✓	✓	✓	✓
Coolant Temp.		✓	✓	✓	✓	✓	✓	✓
Electrical: Volts/Amps		✓	✓	✓	✓	✓	✓	✓
Radios/Headsets/Cell Phone/Pager		✓	✓/1/1	✓	✓	✓	✓	✓
Clipboard/Paperwork/Maps/Passport		✓	✓/1/1	✓	✓	✓	✓	✓
Safety Vest/Brush Shield/Fire Shelter		✓	✓/1/1	✓	✓/1/1	✓/1/1	✓/1/1	✓
Survivor Flashlights		4	✓x4	4	✓x4	✓/1/1	✓	4
Supra Key / RAD Detector		✓	✓/1/1	✓	✓	✓	✓/1/1	✓
Thermal Camera (TIC) Batteries		✓	✓	✓	✓	✓	✓	✓
Mechanical/Electrical								
Lights: Running/warning/scene		✓	✓	✓	✓	✓	✓	✓
Code 3 Equipment		✓	✓	✓	✓	✓	✓	✓
Tires / Wheels		✓	✓	✓	✓	✓	✓	✓
10 Step Air Brake Check (see back)				✓				
Detailed Aerial Check (see pg. 3)					✓			
Aerial PTO - #1		✓	✓	✓	✓	✓	✓	✓
Hydraulic Generator PTO - #2		✓	✓	✓	✓	✓	✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)		✓			✓			
Water Tank Level	300 gallons	F	Full	F	Full	F	Full	F
Foam tank Level	30 gallons	F	Full	F	Full	F	Full	F
Daily Pump Check		✓	✓	✓	✓	✓	✓	✓
Detailed Pump Check (see pg. 2)								
Medical Equipment								
Jump Bags (Airway/Trauma/Peds)		✓	✓	✓	✓	✓	✓	✓
O2 Level		1400	1400	1400	1400	1500	1600	1500
ECG Monitor		✓	✓	✓	✓	✓	✓	✓
CEP Drug Box / RSI Drug Box		✓	✓RH	✓	✓RH	✓	✓	✓
Suction Unit		✓	✓	✓	✓	✓	✓	✓
Miscellaneous Supplies		✓	✓	✓	✓	✓	✓	✓
Drinking Water		✓	✓	✓	✓	✓	✓	✓
Tools/Equipment								
Hand Tools/Wild Land/Appliances		✓	✓	✓	✓	✓	✓	✓
Engineers Headset/Flashlights		✓	✓	✓	✓	✓	✓	✓
Portable Extinguishers (ABC/PW)		✓	✓	✓	✓	✓	✓	✓
Power Tools / Fuel Cans		✓	✓	✓	✓	✓	✓	✓
Run Power Tools (see back)			✓			✓		
Tool Bag/Tools/Slim Jim		✓	✓	✓	✓	✓	✓	✓
Snake Box/Pole		✓	✓	✓	✓	✓	✓	✓
Foam containers/Eductor		✓	✓	✓	✓	✓	✓	✓
SCBA/Spare Air Bottles		✓	✓	✓	✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)						✓		
RIT Bag / Safety Ropes		✓	✓		✓	✓	✓	✓

FIRE EQUIPMENT CONTINUED							
Safety Equipment: Cones, Flares		✓	✓	✓		✓	✓
Wheel Chocks		✓	✓	✓		✓	✓
Ladders		✓	✓	✓		✓	✓
Portable Monitor w/ chains			✓	✓		✓	✓

DAIRY INSPECTIONS CONTINUED

SCBA Check	Date	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain		4000	4000	4000		4200	* 4300	
SCBA 2 Engineer		4500	4500	4500		4300	* 4500	
SCBA 3 FF #1		4500	4500	4500		4500	* 4500	4500
SCBA 4 FF #2		4500	4500	4500		4500	* 4500	4100
RIC BAG							*	

Words Expires		4	4	4		4	4	4
---------------	--	---	---	---	--	---	---	---

SPARE AIR BOTTLES

Spare 1		4000	4000	4000		4300	*	4500
Spare 2		4500	4500	4500		4300	*	4500
Spare 3		4200	4200	4200		4400	*	4200
Spare 4		4500	4500	4500		4500	*	4500
Spare 5		4500	4500	4500		4500	*	4500
Spare 6			4400	4400		4200	*	4200

WEEKLY INSPECTIONS

Check Fluids	Date	Sun.	Wed.
--------------	------	------	------

Engine Oil	6/19	✓	
Transmission		✓	
Coolant		✓	
Brake/Air Pressure		✓	
Power Steering		✓	
Wiper Fluid		✓	
Check Battery/Battery		✓	
Check Belts/Hoses		✓	
Check Breather Valve/Transmission		✓	
Check Front Brakes & Lines		✓	
Check Rear Brakes and Lines		✓	
Ck Suspension/Steering Components		✓	
Check Drive Line		✓	
Check for any Fluid Leaks/Note		✓	
Check Front/Rear Tire Wear/Tread		✓	

10 Step Air-Brake Check

	Tues.
1. Air Chambers, Air lines	6/21 ✓
2. Check Drums/Disc, Shoes/Pads	✓
3. Test Low Air-Pressure Warning	✓
4. Automatic Spring Brake Set	✓
5. Rate of Air-Pressure Build up	✓
6. Test Air Leakage Rate	✓
7. Check Air-Compressor Governor Cut In/Out	✓

Check Tire Pressures	LF 120	RF 120	LF	RF
All at 120				
2nd Axle	O-LR 120	O-RR 120	O-LR	O-RR
	I-LR 120	I-RR 120	I-LR	I-RR
3rd Axle	O-LR 120	O-RR 120	O-LR	O-RR
	I-LR 120	I-RR 120	I-LR	I-RR

DAIRY INSPECTIONS CONTINUED

Check gauges:	Date	Sat.
Engine RPM		
Temperature		
Fuel		
Check Pump Volt/Amps		
Inspect/Operate Drain Valves		
Inspected all Intakes/Discharges		
Check Priming Pump Operation		
Check Proper Operation of Relief Valve		
Flush & Drain Discharges		
1st Sat. of month Flush and Refill Tank		
Foam System Operational Check		

	Mon.	Thurs.
Hydraulic Generator	✓	✓
Portable Generator	✓	✓
Fan's 1 and 2	✓	✓
Circular Saw/Blades	✓	✓
Chain Saw/Inspect Chain	✓	✓
Power plant-Rescue Tool	✓	✓
Spreaders Cutters	✓	✓
Short ram Long Ram	✓	✓
Inspect Saws-all	✓	✓
Refuel as Needed	✓	✓
Check Maint. Tag	✓	✓
Inspect Ladders/Halyards/Locks/etc.		✓

Perform Weekly SCBA Inspections

(See Weekly SCBA Inspection Sheet)

Date: Initials:

Date: Initials:

Weekly Maintenance Checklist							
Stabilizer System Panel	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level			✓				
Hydraulic Leaks			✓				
Functional Graphic Display Panel			✓				
R / L Mid-Ship Stabilizers			✓				
Auxiliary Ground Pads			✓				
Rear Jacks			✓				
Front Cab Jacks			✓				
Stabilizer Interlock Graphic Display			✓				
Audible Warning System			✓				
Aux. Hydraulic Pump			✓				
Hydraulic Transfer / Upper Power			✓				
Emergency Hydraulic Pump/Controls			✓				
Turn Table Controls							
Breathing Air System Pressure	3000		5000				
Raise / Lower			✓				
Extend / Retract			✓				
360 R / L Full Rotation @ 80 degrees			✓				
Functional Graphic Display Panel			✓				
Boom Lights - Alarm Test - Ladder Lights			✓				
PA / PPT Mike			✓				
Turn Table Flood Lights			✓				
Bucket Control Switch			✓				
Safety Override Switch's			✓				
Manual Hydraulic Override Controls			✓				
Pedestal Hydraulic Lines, Any Leaks			✓				
Safety Lines			✓				
Smart Boom Warning System			✓				
Stabilizer Interlock Override			✓				
Rotational Interlock System			✓				
Emergency Hydraulic Controls			✓				
Platform Controls Panel							
Functional Graphic Display Panel			✓				
Bucket Control Power			✓				
High Range / Creep Mode			✓				
Raise / Lower			✓				
Extend / Retract			✓				
Rotation R / L			✓				
Self Leveling System/Emg. Stop/Disable			✓				
Leveling System Override			✓				
Hyd. Reservoir for Leveling System			✓				
Spot / Flood Lights / Ladder Lights			✓				
Panel Light, Alarm Silence			✓				
Manual and Remote Nozzle Controls			✓				
Master Streams, Aux. Discharges							
Water Control Valves			✓				
Platform Folding Egress Ladder			✓				
Stokes Basket Arms, Lifting Eyes			✓				
Breathing Air Gauge and Hook Ups			✓				
Access/Egress Doors			✓				
Hand Tools / Holders			✓				
Visual Inspection of Tower			✓				
5 Ladder Sections, Slide Block Paths			✓				
Aerial Extension / Retraction Cylinders			✓				
Water Way Tubes			✓				
Turn Table Hydraulic Lines			✓				
Sheaves and Cables			✓				
Cable Track / Wiring Harness			✓				
Bucket Hydraulic Lines			✓				
Bucket Levelling Cylinders			✓				

Daily Vehicle Check: Tower 151

Revised: 9/12/2010

Month/Year: _____

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th		7176	7176	7180	7185		7186
Engine Hrs: 1st and 15th		660	660	662	662		663
Aerial Hours 1st and 15th							
Generator Hours 1st and 15th							
Fuel Level: Capacity: 65 gallons		7/8	15/16	3/4	13/16		2/4
Cab Control Instrument Panel/Equipment							
Warning Lights, Buzzers, etc.		✓	✓	✓	✓		✓
Gauges & Instruments		✓	✓	✓	✓		✓
Oil/Air Pressure *		* 110/50	* ✓	✓	* ✓		50/45
Oil/Transmission Temp.		✓	✓	✓	✓		✓
Coolant Temp.		✓	✓	✓	✓		✓
Electrical: Volts/Amps		✓	✓	✓	✓		✓
Radlos/Headsets/Call Phone/Pager		✓	✓	✓	✓		✓
Clipboard/Paperwork/Maps/Passport		✓	✓	✓	✓		✓
Safety Vest/Bug Shirts/Fire Shelter		✓	✓	✓	✓		✓
Survivor Flashlights		✓ x 4	✓ x 4	4	✓ x 4		✓ x 4
Supra Key / RAD Detector		✓	✓	✓	✓		✓
Thermal Camera (TIC) Batteries		✓	✓	✓	✓		✓
Mechanical/External							
Lights: Running/warning/scene		✓	✓	✓	✓		✓
Code 3 Equipment		✓	✓	✓	✓		✓
Tires / Wheels		✓	✓	✓	✓		✓
10 Step Air Brake Check (see back)							
Detailed Aerial Check (see pg. 3)				✓			
Aerial PTO - #1		✓	✓	✓	✓		✓
Hydraulic Generator PTO - #2		✓	✓	✓	✓		✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)				✓			
Water Tank Level 300 gallons		FULL	FULL	F	FULL		FULL
Foam tank Level 30 gallons		FULL	FULL	F	FULL		FULL
Daily Pump Check		✓	✓	✓	✓		✓
Detailed Pump Check (see pg. 2)							✓
EMS Equipment							
Jump Bags (Airway/Trauma/Peds)			✓	✓	✓		✓
O2 Level			✓	✓	✓		✓
ECG Monitor			✓	✓	✓		✓
CEP Drug Box / RSI Drug Box			✓ RH	✓	✓ RH		✓
Suction Unit			✓	✓	✓		✓
Miscellaneous Supplies			✓	✓	✓		✓
Drinking Water			✓	✓	✓		✓
Other Equipment							
Hand Tools/Wild Land/Appliances		✓	✓	✓	✓		✓
Engineers Headset/Flashlights		✓	✓	✓	✓		✓
Portable Extinguishers (ABC/PW)		✓	✓	✓	✓		✓
Power Tools / Fuel Cans		✓	✓	✓	✓		✓
Run Power Tools (see back)		✓			✓		
Tool Bag/Tools/Signs		✓	✓	✓	✓		✓
Snake Box/Pole		✓	✓	✓	✓		✓
Foam containers/Eductor		✓	✓	✓	✓		✓
SCBA/Spare Air Bottles		✓	✓	✓	✓		✓
Weekly SCBA Inspection (see pg. 2)							
RIT Bag / Safety Ropes		✓	✓	✓	✓		✓

PPE Equipment Log							
Safety Equipment: Cones, Flares		✓	✓	✓	✓	✓	✓
Wheel Chocks		✓	✓		✓	✓	✓
Ladders		✓	✓			✓	✓
Portable Monitor w/ chains		✓	✓		✓		✓

Daily Air Pressure Log								
SCBA Check	Date	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1	Captain		4500	4500	4500	4500	* 4000	4500
SCBA 2	Engineer		4500	4500	4500	4500	* 4200	4500
SCBA 3	FF #1		4400	4400	4500	4400	* 4200	4500
SCBA 4	FF #2		4000	4000	4000	4000	* 4500	4500
RIC BAG							*	
Volvo Emphas #201								
Spare Air Bales								
Spare 1			4000	4000	4000	4000	* 4500	4200
Spare 2			4500	4500	4500	4500	* 4500	4500
Spare 3			4200	4200	4500	4200	* 4500	4500
Spare 4			4500	4500	4500	4500	* 4500	4500
Spare 5			4500	4500	4500	4500	* 4500	4500
Spare 6			4500	4500	4500	4500	* 4500	4500

Weekly Inspections							
Mechanical		Sun.	Wed.	10 Step Air-Brake Check			
Check Fluids	Dates		7-26	Tues.			
Engine Oil			✓				
Transmission			✓				
Coolant			✓				
Brake/Air Pressure			✓				
Power Steering			✓				
Wiper Fluid			✓				
Check Battery/Battery			✓				
Check Belts/Hoses			✓				
Check Breather Valve/Transmission			✓				
Check Front Brakes & Lines			✓				
Check Rear Brakes and Lines			✓				
Check Suspension/Steering Components			✓				
Check Drive Line			✓				
Check for any Fluid Leaks/Note			✓				
Check Front/Rear Tire Wear/Tread			✓				

Check Tire Pressures						Mon.	Thurs.
All at 120	2nd Axle	O-LR	O-RR	O-LR 120	O-RR 120	✓	✓
O = Outside		I-LR	I-RR	I-LR 120	I-RR 120	✓	✓
I = Inside	3rd Axle	O-LR	O-RR	O-LR 120	O-RR 120	✓	✓
		I-LR	I-RR	I-LR 120	I-RR 120	✓	✓

Daily Equipment Check			Mon.	Thurs.
Check gauges:	Date	Sat.		
Engine RPM		✓		
Temperature		✓		
Fuel		✓		
Check Pump Volt/Amps		✓		
Inspect/Operate Drain Valves		✓		
Inspected all Intakes/Discharges		✓		
Check Priming Pump Operation		✓		
Check Proper Operation of Relief Valve		✓		
Flush & Drain Discharges		✓		
1st Sat. of month Flush and Refill Tank		✓		
Foam System Operational Check		✓		

10 Step Air-Brake Check		Tues.
1. Air Chambers, Air lines		✓
2. Check Drums/Discs, Shoes/Pads		✓
3. Test Low Air-Pressure Warning		✓
4. Automatic Spring Brake Set		✓
5. Rate of Air-Pressure Build up		✓
6. Test Air Leakage Rate		✓
7. Check Air-Compressor Governor Cut In/Out		✓

		Mon.	Thurs.
Hydraulic Generator		✓	✓
Portable Generator		✓	✓
Fan's 1 and 2		✓	✓
Circular Saw/Blades		✓	✓
Chain Saw/Inspect Chain		✓	✓
Power plant-Rescue Tool		✓	✓
Spreaders		✓	✓
Short ram	Long Ram	✓	✓
Inspect Saws-all		✓	✓
Refuel as Needed		✓	✓
Check Maint. Tag		✓	✓
Inspect Ladders/Halyards/Locks/etc.			Thurs. ✓

Perform Weekly SCBA Inspections	
(See Weekly SCBA Inspection Sheet)	
Date:	Initials:
Date:	Initials:

Weekly Aerial Inspection Check							
Stabilization System - Daily	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level				✓			
Hydraulic Leaks				✓			
Functional Graphic Display Panel				✓			
R / L Mid-Ship Stabilizers				✓			
Auxiliary Ground Pads				✓			
Rear Jacks				✓			
Front Cab Jacks				✓			
Stabilizer Interlock Graphic Display				✓			
Audible Warning System				✓			
Aux. Hydraulic Pump				✓			
Hydraulic Transfer / Upper Power				✓			
Emergency Hydraulic Pump/Controls				✓			
Turn Table and Controls							
Breathing Air System Pressure							
Raise / Lower				✓			
Extend / Retract				✓			
360 R / L Full Rotation @ 80 degrees				✓			
Functional Graphic Display Panel				✓			
Boom lights - Alarm Test - Ladder Lights				✓			
PA / PPT Mike				✓			
Turn Table Flood Lights				✓			
Bucket Control Switch				✓			
Safety Override Switch's				✓			
Manual Hydraulic Override Controls				✓			
Pedestal Hydraulic Lines, Any Leaks				✓			
Safety Lines				✓			
Smart Boom Warning System				✓			
Stabilizer Interlock Override				✓			
Rotational Interlock System				✓			
Emergency Hydraulic Controls				✓			
Platform Controls - Daily							
Functional Graphic Display Panel				✓			
Bucket Control Power				✓			
High Range / Creep Mode				✓			
Raise / Lower				✓			
Extend / Retract				✓			
Rotation R / L				✓			
Self Leveling System/Emg. Stop/Disable				✓			
Leveling System Override				✓			
Hyd. Reservoir for Leveling System				✓			
Spot / Flood Lights / Ladder Lights				✓			
Panel Light, Alarm Silence				✓			
Manual and Remote Nozzle Controls				✓			
Master Streams, Aux. Discharges				✓			
Water Control Valves				✓			
Platform Folding Egress Ladder				✓			
Stokes Basket Arms, Lifting Eyes				✓			
Breathing Air Gauge and Hook Ups				✓			
Access/Egress Doors				✓			
Hand Tools / Holders				✓			
Visual Inspection of Ladder Arms							
5 Ladder Sections, Slide Block Paths				✓			
Aerial Extension / Retraction Cylinders				✓			
Water Way Tubes				✓			
Turn Table Hydraulic Lines				✓			
Sheaves and Cables				✓			
Cable Track / Wiring Harness				✓			
Bucket Hydraulic Lines				✓			
Bucket Leveling Cylinders				✓			

Daily Vehicle Check: Tower 151

Revised: 9/12/2010

Month/Year: _____

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th	7199	7200	7200	7293	7298	7310	7315
Engine Hrs: 1st and 15th	6666	6666	6666	6777	6773	6776	6777
Aerial Hours 1st and 15th				237.6		235.6	
Generator Hours 1st and 15th				59.5			
Fuel Level: Capacity: 65 gallons	F	Full	F	3/4	Full	7/8	3/4
CAB Controls/Instrumentation/Equipment							
Warning Lights, Buzzers, etc.	✓	✓	✓	✓	✓	✓	✓
Gauges & Instruments	✓	✓	✓	✓	✓	✓	✓
Oil/Air Pressure	✓	*✓	✓	*✓	✓	✓	✓
Oil/Transmission Temp.	✓	✓	✓	✓	✓	✓	✓
Coolant Temp.	✓	✓	✓	✓	✓	✓	✓
Electrical: Volts/Amps	✓	✓	✓	✓	✓	✓	✓
Radios/Headsets/Cell Phone/Pager	✓	✓	✓	✓	✓	✓	✓
Clipboard/Paperwork/Maps/Passport	✓	✓	✓	✓	✓	✓	✓
Safety Vest/Brush Shifts/Flare Shelter	✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights	✓	✓	✓	✓	✓	✓	✓
Supra Key / Radio Detector	✓	✓	✓	✓	✓	✓	✓
Thermal Camera (TIC) Batteries	✓	✓	✓	✓	✓	✓	✓
Mechanical/Electrical							
Lights: Running/warning/scene	✓	✓	✓	✓	✓	✓	✓
Code 3 Equipment	✓	✓	✓	✓	✓	✓	✓
Tires / Wheels	✓	✓	✓	✓	✓	✓	✓
10 Step Air Brake Check (see back)			✓				
Detailed Aerial Check (see pg. 3)							
Aerial PTO - #1	✓	✓	✓	✓	✓	✓	✓
Hydraulic Generator PTO - #2	✓	✓	✓	✓	✓	✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)	✓			✓			
Water Tank Level 300 gallons	F	Full	F	Full	Full	Full	Full
Foam tank Level 30 gallons	F	Full	F	Full	Full	Full	Full
Daily Pump Check	✓	✓	✓	✓	✓	✓	
Detailed Pump Check (see pg. 2)							
EMS Equipment							
Jump Bags (Airway/Trauma/Peds)	✓	✓	✓	✓	✓	✓	✓
O2 Level	1200	1800	1800		1800	1800	1700
ECG Monitor	✓	✓	✓	✓	✓	✓	✓
CED Drug Box / RSI Drug Box	✓	✓	✓	✓	✓	✓	✓
Suction Unit	✓	✓	✓	✓	✓	✓	✓
Miscellaneous Supplies	✓	✓	✓	✓	✓	✓	✓
Drinking Water	✓	✓	✓	✓	✓	✓	✓
Fire Equipment							
Hand Tools/Wild Land/Appliances	✓	✓	✓	✓	✓	✓	✓
Engineers Headset/Flashlights	✓	✓	✓	✓	✓	✓	✓
Portable Extinguishers (ABC/PW)	✓	✓	✓	✓	✓	✓	✓
Power Tools / Fuel Cans	✓	✓	✓	✓	✓	✓	✓
Run Power Tools (see back)		✓			✓		
Tool Bag/Tools/Spine	✓	✓	✓	✓	✓	✓	✓
Snake Box/Pole	✓	✓	✓	✓	✓	✓	✓
Foam container/Eductor	✓	✓	✓	✓	✓	✓	✓
SCBA/Spare Air Bottles	✓	✓	✓	✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)						✓	
RIT Bag / Safety Ropes	✓	✓	✓	✓	✓	✓	✓

Safety Equipment: Cones, Flares								
Wheel Chocks								
Ladders								
Portable Monitor w/ chains								

SCBA		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1	Captain	4000	4000	4500	4500	4500	4500	4500
SCBA 2	Engineer	4000	4500	4000	4500	4100	4000	3900
SCBA 3	FF #1	4500	4500	4500		4500	4500	4500
SCBA 4	FF #2	4000	4500	4000	4500	4500	4500	4500
RIC BAG								Re 4500
SCBA Air Lines		4	4	4		4		4
Spare 1		4500	4500	4500	1	4500	4400	4400
Spare 2		4500	4500	4500		4500	4500	4500
Spare 3		4500	4500	4500		4500	3500	3900
Spare 4		4500	4000	4000		4500	4500	4500
Spare 5		4500	4500	4500		4500	4500	4200
Spare 6		4500	4400	4500		4500	4200	4000

Check Fluids		Sun.	Wed.
Engine Oil			8/17
Transmission			✓
Coolant			✓
Brake/Air Pressure			✓
Power Steering			✓
Wiper Fluid			✓
Check Battery/Battery			✓
Check Belts/Hoses			✓
Check Breather Valve/Transmission			✓
Check Front Brakes & Lines			✓
Check Rear Brakes and Lines			✓
Ck Suspension/Steering Components			✓
Check Drive Line			✓
Check for any Fluid Leaks/Note			✓
Check Front/Rear Tire Wear/Tread			✓

Check Tire Pressures		LF 120	RF 120	LF 120	RF 120
All at 120	2nd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120
O = Outside		I-LR 120	I-RR 120	I-LR 120	I-RR 120
I = Inside	3rd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120
		I-LR 120	I-RR 120	I-LR 120	I-RR 120

Check gauges:		Date	Sat. 8-20
Engine RPM			✓
Temperature			✓
Fuel			✓
Check Pump Volt/Amps			✓
Inspect/Operate Drain Valves			✓
Inspected all Intakes/Discharges			✓
Check Priming Pump Operation			✓
Check Proper Operation of Relief Valve			✓
Flush & Drain Discharges			✓
1st Sat. of month Flush and Refill Tank			✓
Foam System Operational Check			✓

10 Step Air-Brake Check		Tues.
1. Air Chambers, Air lines		✓
2. Check Drums/Disc, Shoes/Pads		✓
3. Test Low Air-Pressure Warning		✓
4. Automatic Spring Brake Set		✓
5. Rate of Air-Pressure Build up		✓
6. Test Air Leakage Rate		✓
7. Check Air-Compressor Governor Cut In/Out		✓

		Mon.	Thurs.
Hydraulic Generator		✓	✓
Portable Generator		✓	✓
Fan's 1 and 2		✓	✓
Circular Saw/Blades		✓	✓
Chain Saw/Inspect Chain		✓	✓
Power plant-Rescue Tool		✓	✓
Spreaders- Cutters		✓	✓
Short saw Long Ram			
Inspect Saws-all		✓	✓
Refuel as Needed		✓	✓
Check Maint. Tag			
		Thurs.	
Inspect Ladders/Halyards/Locks/etc.			✓

Perform Weekly SCBA Inspections	
(See Weekly SCBA Inspection Sheet)	
Date: 8/19	Initials: M
Date:	Initials:

Weekly Aerial Inspection							
Stabilization System	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level				✓			
Hydraulic Leaks				ADME			
Functional Graphic Display Panel				✓			
R / L Mid-Ship Stabilizers				✓			
Auxiliary Ground Pads				✓			
Rear Jacks				✓			
Front Cab Jacks				✓			
Stabilizer Interlock Graphic Display				✓			
Audible Warning System				✓			
Aux. Hydraulic Pump				✓			
Hydraulic Transfer / Upper Power				✓			
Emergency Hydraulic Pump/Controls				✓			
Turn Table and Controls							
Breathing Air System Pressure				✓			
Raise / Lower				✓			
Extend / Retract				✓			
360 R / L Full Rotation @ 80 degrees				✓			
Functional Graphic Display Panel				✓			
Boom Lights - Alarm Test - Ladder Lights				✓			
PA / PPT Mike				✓			
Turn Table Flood Lights				✓			
Bucket Control Switch				✓			
Safety Override Switch's				✓			
Manual Hydraulic Override Controls				✓			
Pedestal Hydraulic Lines, Any Leaks				✓			
Safety Lines				✓			
Smart Boom Warning System				✓			
Stabilizer Interlock Override				✓			
Rotational Interlock System				✓			
Emergency Hydraulic Controls				✓			
Platform Controls							
Functional Graphic Display Panel				✓			
Bucket Control Power				✓			
High Range / Creep Mode				✓			
Raise / Lower				✓			
Extend / Retract				✓			
Rotation R / L				✓			
Self Leveling System/Emg. Stop/Disable				✓			
Leveling System Override				✓			
Hyd. Reservoir for Leveling System				✓			
Spot / Flood Lights / Ladder Lights				✓			
Panel Light, Alarm Silence				✓			
Manual and Remote Nozzle Controls				✓			
Master Streams, Aux. Discharges				✓			
Water Control Valves				✓			
Platform Folding Egress Ladder				✓			
Stokes Basket Arms, Lifting Eyes				✓			
Breathing Air Gauge and Hook Ups				✓			
Access/Egress Doors				✓			
Hand Tools / Holders				✓			
Visual Inspection of Ladder Tower							
5 Ladder Sections, Slide Block Paths				✓			
Aerial Extension / Retraction Cylinders				✓			
Water Way Tubes				✓			
Turn Table Hydraulic Lines				✓			
Sheaves and Cables				✓			
Cable Track / Wiring Harness				✓			
Bucket Hydraulic Lines				✓			
Bucket Leveling Cylinders				✓			

Daily Vehicle Check: Tower 151

Revised: 4/4/2010

Month/Year: SEPT 11

Shop #: 3140

Dates: Sun Mon Tues Wed Thurs Fri Sat

		Sun	Mon	Tues	Wed	Thurs	Fri	Sat
Crew 1								
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 15th	7477	7477	7477	7477		7477	7485
Engine Hrs:	1st and 15th	707	707	707	708		708	708
Aerial Hours	1st and 15th				246			
Generator Hours	1st and 15th							
Fuel Level:	Capacity: 85 gallons	3/4	4	F	F		F	Full
CAB Controls/Instrumentation/Equipment								
Warning Lights, Buzzers, etc.		✓	✓	✓	✓		✓	✓
Gauges & Instruments		✓	✓	✓	✓		✓	✓
Oil/Air Pressure		✓	✓	✓	✓		✓	60/100
Oil/Transmission Temp.		✓	✓	✓	✓		✓	✓
Coolant Temp.		✓	✓	✓	✓		✓	✓
Electrical: Volts/Amps		✓	✓	✓	✓		✓	✓
Radlos/Headsets/Cell Phone/Pager		✓	✓	✓	✓		✓	✓
Clipboard/Paperwork/Maps/Passport		✓	✓	✓	✓		✓	✓
Safety Vest/Brush Shirts/Fire Shelter		✓	✓	✓	✓		✓	✓
Survivor Flashlights		✓	✓	✓	4		4	4
Supra Key / RAD Detector		✓	✓	✓	✓		✓	✓
Thermal Camera (TIC) Batteries		✓	✓	✓	✓		✓	✓
WHEELS/TIRES/EQUIPMENT								
Lights: Running/warning/scene		✓	✓	✓	✓		✓	✓
Code 3 Equipment		✓	✓	✓	✓		✓	✓
Tires / Wheels		✓	✓	✓	✓		✓	✓
10 Step Air Brake Check (see back)								
Detailed Aerial Check (see pg. 3)								
Aerial PTO - #1		✓	✓	✓	✓		✓	
Hydraulic Generator PTO - #2		✓	✓	✓	✓		✓	
Cab / Hood Tilt-Eng. Inspect (see pg. 2)		✓	✓	✓	✓		✓	
Water Tank Level	300 gallons	F	F	✓	F		F	
Foam tank Level	30 gallons	F	F	✓	F		F	
Daily Pump Check		✓	✓	✓	✓		✓	
Detailed Pump Check (see pg. 2)								
AMS Equipment								
Jump Bags(Airway/Trauma/Peds)		✓	✓	✓	✓		✓	
O2 Level		✓	✓	✓	2000		2000	
ECG Monitor (Weekly Detail Check)		✓	✓	✓	✓		✓	
CEP Drug Box / RSI Drug Box		✓	✓	✓	✓		✓	
Suction Unit		✓	✓	✓	✓		✓	
Miscellaneous Supplies		✓	✓	✓	✓		✓	
Drinking Water		✓	✓	✓	✓		✓	
FIRE Equipment								
Hand Tools/Wild Land/Appliances		✓	✓	✓	✓		✓	
Engineers Headset/Flashlights		✓	✓	✓	✓		✓	
Portable Extinguishers(ABC/PW)		✓	✓	✓	✓		✓	
Power Tools / Fuel Cans		✓	✓	✓	✓		✓	
Run Power Tools (see back)								
Tool Bag/Tools/Slim Jim		✓	✓	✓	✓		✓	
Snake Box/Pole		✓	✓	✓	✓		✓	
Foam containers/Eductor		✓	✓	✓	✓		✓	
SCBA/Spare Air Bottles		✓	✓	✓	✓		✓	
Weekly SCBA Inspection (see pg. 2)							✓	
RIT Bag / Safety Ropes		✓	✓	✓	✓		✓	

FIRE EQUIPMENT CONTAINER							
Safety Equipment: Cones, Flares							
Wheel Chocks							
Ladders							
Portable Monitor w/ chains							

SCBA INSPECTION CONTINUED

		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1	Captain	4000	4000	4000	4000		* 4500	4500
SCBA 2	Engineer				4500		* 4500	4200
SCBA 3	FF #1				4000+		* 4000	4000
SCBA 4	FF #2				4000 F		* 4000	
RIC BAG								

Malfunction					4		4	
-------------	--	--	--	--	---	--	---	--

SPARE AIR BOTTLES

Spare 1		4000	4000	4000	4500		* 4500	4000
Spare 2					4500		* 4500	4200
Spare 3					4000		* 4500	4500
Spare 4					4000		* 4500	4500
Spare 5							* 4500	4000
Spare 6							* 4500	4500

WEEKLY INSPECTIONS

		Sun.	Wed.	
--	--	------	------	--

Check Fluids	Dates	01/25	2/8	
Engine Oil				
Transmission				
Coolant				
Brake/Air Pressure				
Power Steering				
Wiper Fluid				
Check Battery/Battery				
Check Belts/Hoses				
Check Breather Valve/Transmission				
Check Front Brakes & Lines				
Check Rear Brakes and Lines				
Ck Suspension/Steering Components				
Check Drive Line				
Check for any Fluid Leaks/Note				
Check Front/Rear Tire Wear/Tread				

10 Step Air-Brake Check

1. Air Chambers, Air lines	
2. Check Drums/Discs, Shoes/Pads	
3. Test Low Air-Pressure Warning	
4. Automatic Spring Brake Set	
5. Rate of Air-Pressure Build up	
6. Test Air Leakage Rate	
7. Check Air-Compressor Governor	
Cut In/Out	

Check Tire Pressures	LF 120	RF 120	LF 120	RF 120	
All at 120	2nd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120
O = Outside		I-LR 120	I-RR 120	I-LR 120	I-RR 120
I = Inside	3rd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120
		I-LR 120	I-RR 120	I-LR 120	I-RR 120

PERFORM WEEKLY CHECKS

Check gauges:	Date	Sat.
Engine RPM		
Temperature		
Fuel		
Check Pump Volt/Amps		
Inspect/Operate Drain Valves		
Inspected all Intakes/Discharges		
Check Priming Pump Operation		
Check Proper Operation of Relief Valve		
Flush & Drain Discharges		
1st Sat. of month Flush and Refill Tank		
Foam System Operational Check		

	Mon.	Thurs.
Hydraulic Generator		
Portable Generator		
Fan's 1 and 2		
Circular Saw/Blades		
Chain Saw/Inspect Chain		
Power plant-Rescue Tool		
Spreaders Cutters		
Short ram Long Ram		
Inspect Saws-all		
Refuel as Needed		
Check Maint. Tag		
	Thurs.	
Inspect Ladders/Halyards/Locks/etc.		

Perform Weekly SCBA Inspections

(See Weekly SCBA Inspection Sheet)

Date: 2/5/6 Initials: DR

Date: Initials:

Daily Vehicle Check: Ladder 151

Revised: 11/01/2011

Month/Year: Dec 11

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th	7670	7670		7670	7686	7687	7687
Engine Hrs: 1st and 15th	737	737		737	739	740	740
Aerial Hours 1st and 15th		855.2		855.2			
Generator Hours 1st and 15th							
Fuel Level: Capacity: 65 gallons	F	7/8		7/8	3/4	3/4	3/4
Cab Controls/Instrumentation/Additional Equipment							
Warning Lights, Buzzers, etc.	✓	✓		✓	✓	✓	
Gauges & Instruments	✓	✓		✓	✓	✓	
Air Pressure	✓	180/180		50/100	110/118	110/120	109/118
Oil/Transmission Temp.	✓	✓		✓	✓	✓	
Coolant Temp.	✓	✓		✓	✓	✓	
Electrical: Volts/Amps	✓	✓		✓	✓ 13.1	✓	
Radios/Headsets/Golf Phone/Pager	✓	✓		✓	✓	✓	
Clipboard/Paperwork/Maps/Passport	✓	✓		✓	✓	✓	
Safety Vest/Brush Shifts/Extra Shovel	✓	✓		✓	✓	✓	
Survivor Flashlights	✓	✓		✓	✓	✓	
Supra Key / RAD Detector	✓	✓		✓	✓	✓	
Thermal Camera (TIC) Batteries	✓	✓		✓	✓	✓	
Mechanical/Electrical							
Lights: Running/warning/scene	✓	✓		✓	✓	✓	
Code 3 Equipment	✓	✓		✓	✓	✓	
Tires / Wheels	✓	✓		✓	✓	✓	
10 Step Air Brake Check (see back)							
Detailed Aerial Check (see pg. 3)							
Aerial PTO - #1	✓	✓		✓	✓	✓	
Hydraulic Generator PTO - #2	✓	✓		✓	✓	✓	
Cab / Hood Tilt-Eng. Inspect (see pg. 2)	✓			✓			
Water Tank Level 300 gallons	F	Full		Full	Full	Full	
Foam tank Level 30 gallons	F	Full		Full	Full	Full	
Daily Pump Check		✓		✓	✓	✓	
Detailed Pump Check (see pg. 2)							
EMS Equipment							
Jump Bags (Airway/Trauma/Peds)	✓	✓		✓	✓	✓	
O2 Level	1800	1800		1800	1800	1800	
EGG Monitor	✓	✓		✓	✓	✓	
CEP Drug Box / RSI Drug Box	✓	✓		✓	✓	✓	
Suction Unit	✓	✓		✓	✓	✓	
Miscellaneous Supplies	✓	✓		✓	✓	✓	
Drinking Water	✓	✓		✓	✓	✓	
Fire Equipment							
Hand Tools/Wild Land/Appliances	✓	✓		✓	✓	✓	
Engineers Headset/Flashlights	✓	✓		✓	✓	✓	
Portable Extinguishers (ABC/PW)	✓	✓		✓	✓	✓	
Power Tools / Fuel Cans	✓	✓		✓	✓	✓	
Run Power Tools (see back)							
Tool Bag/Tools/Slim Jim	✓	✓		✓	✓	✓	
Snake Box/Pole	✓	✓		✓	✓	✓	
Foam containers/Eductor	✓	✓		✓	✓	✓	
SCBA/Spare Air Bottles	✓	✓		✓	✓	✓	
Weekly SCBA Inspection (see pg. 2)							
RIT Bag / Safety Ropes	✓	✓		✓	✓	✓	

FIRE SUPPRESSION EQUIPMENT							
Safety Equipment: Cones, Flares	✓	✓		✓	✓	✓	
Wheel Chocks	✓	✓		✓	✓	✓	
Ladders	✓	✓		✓		✓	
Portable Monitor w/ chains	✓	✓		✓	✓	✓	

SCBA INSPECTION							
SCBA #	Inspector	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.
SCBA 1	Captain	4000	4000		4000	40	*4200
SCBA 2	Engineer		4200		4200	35	*4400
SCBA 3	FF #1		4200		4200	40	*4500
SCBA 4	FF #2		4000		4100	45	*4600
RIC BAG							
VALVE INSPECTION							
SPARE AIR BOTTLES							
Spare 1		4000	4000		4200	40	*4400
Spare 2						40	*4100
Spare 3						40	*4200
Spare 4						40	*4400
Spare 5						40	*4400
Spare 6						40	*4000

WEEKLY INSPECTIONS				10 Step Air-Brake Check			
Check Fluids		Dates		Sun.		Wed.	
Engine Oil				12/04		12/07	
Transmission				✓		✓	
Coolant				✓		✓	
Brake/Air Pressure				✓		✓	
Power Steering				✓		✓	
Wiper Fluid				✓		✓	
Check Battery/Battery				✓		✓	
Check Belts/Hoses				✓		✓	
Check Breather Valve/Transmission				✓		✓	
Check Front Brakes & Lines				✓		✓	
Check Rear Brakes and Lines				✓		✓	
Check Suspension/Steering Components				✓		✓	
Check Drive Line				✓		✓	
Check for any Fluid Leaks/Note				✓		✓	
Check Front/Rear Tire Wear/Tread				✓		✓	

1. Air Chambers, Air lines
2. Check Drums/Disc, Shoes/Pads
3. Test Low Air-Pressure Warning
4. Automatic Spring Brake Set
5. Rate of Air-Pressure Build up
6. Test Air Leakage Rate
7. Check Air-Compressor Governor Cut In/Out

Check Tire Pressures		LF 120	RF 120	LF 116	RF 116
All at 120	2nd Axle	O-LR 120	O-RR 120	O-LR 116	O-RR 116
O = Outside		I-LR 120	I-RR 120	I-LR 116	I-RR 116
I = Inside	3rd Axle	O-LR 120	O-RR 120	O-LR 116	O-RR 116
		I-LR 120	I-RR 120	I-LR 116	I-RR 116

	Mon.	Thurs.
Hydraulic Generator	✓	✓
Portable Generator	✓	✓
Fan's 1 and 2	✓	✓
Circular Saw/Blades	✓	✓
Chain Saw/Inspect Chain	✓	✓
Power plant-Rescue Tool	✓	✓
Spreaders - Cutters	✓	✓
Short ram	✓	✓
Long Ram	✓	✓
Inspect Saws-all	✓	✓
Refuel as Needed	✓	✓
Check Maint. Tag	✓	✓
Inspect Ladders/Halyards/Locks/etc.		

Check gauges:	Date	Sat.
Engine RPM		
Temperature		
Fuel		
Check Pump Volt/Amps		
Inspect/Operate Drain Valves		
Inspected all Intakes/Discharges		
Check Priming Pump Operation		
Check Proper Operation of Relief Valve		
Flush & Drain Discharges		
1st Sat. of month Flush and Refill Tank		
Foam System Operational Check		

Perform Weekly SCBA Inspections
 (See Weekly SCBA Inspection Sheet)
 Date: 12/9 Initials: JB
 Date: Initials:

Daily Vehicle Check: Ladder 151

Revised: 11/01/2011

Month/Year: _____

Shop #: 3140

Dates:		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1								
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 15th	7914	7928	7928	7928	7928		
Engine Hrs:	1st and 15th	776	778	778	778	778		
Aerial Hours	1st and 15th				244.9	270		
Generator Hours	1st and 15th				70.5			
Fuel Level:	Capacity: 65 gallons	3/8	3/4	F	FULL	Full		
Mechanical/Electrical								
Warning Lights, Buzzers, etc.		✓	✓	✓	✓	✓		
Gauges & Instruments		✓	✓	✓	✓	✓		
Oil/Air Pressure		✓	✓	✓	120/60	✓		
Oil/Transmission Temp.		✓	✓	✓	✓	✓		
Coolant Temp.		✓	✓	✓	✓	✓		
Electrical: Volts/Amps		✓	✓	✓	✓	✓		
Radios/Headsets/Cell Phone/Pager		✓	✓	✓	✓	✓		
Clipboard/Paperwork/Maps/Passport		✓	✓	✓	✓	✓		
Safety Vest/Brush Shirts/Fire Shelter		✓	✓	✓	✓	✓		
Survivor Flashlights		4	4	4	4	✓		
Supra Key / RAD Detector		✓	✓	✓	✓	✓		
Thermal Camera (TIC) Batteries		✓	✓	✓	✓	✓		
Mechanical/Electrical								
Lights: Running/warning/scene		✓	✓	✓	✓	✓		
Code 3 Equipment		✓	✓	✓	✓	✓		
Tires / Wheels		✓	✓	✓	✓	✓		
10 Step Air Brake Check (see back)				✓				
Detailed Aerial Check (see pg. 3)								
Aerial PTO - #1		✓	WORKED	✓	N	✓		
Hydraulic Generator PTO - #2		✓	✓	✓	✓	✓		
Cab / Hood Tilt-Eng. Inspect (see pg. 2)		✓						
Water Tank Level 300 gallons		F	N	F	Full	✓		
Foam tank Level 30 gallons		F	✓	F	Full	✓		
Daily Pump Check		✓	✓	✓	✓			
Detailed Pump Check (see pg. 2)								
PMS Equipment								
Jump Bags(Airway/Trauma/Peds)		✓	✓	✓	✓	✓		
O2 Level			1500	1500	1400	1400		
ECG Monitor		✓	✓	✓	✓	✓		
CEP Drug Box / RSI Drug Box		✓	✓	✓	✓	✓		
Suction Unit		✓	✓	✓	✓	✓		
Miscellaneous Supplies		✓	✓	✓	✓	✓		
Drinking Water		✓	✓	✓	✓	✓		
Fire Equipment								
Hand Tools/Wild Land/Appliances		✓	✓	✓	✓	✓		
Engineers Headset/Flashlights		✓	✓	✓	✓	✓		
Portable Extinguishers(ABC/PW)		✓	✓	✓	✓	✓		
Power Tools / Fuel Cans		✓	✓	✓	✓	✓		
Run Power Tools (see back)						✓		
Tool Bag/Tools/Storage		✓	✓	✓	✓	✓		
Snare Box/Pole		✓	✓	✓	✓	✓		
Foam containers/Eductor		✓	✓	✓	✓	✓		
SCBA/Spare Air Bottles		✓	✓	✓	✓	✓		
Weekly SCBA Inspection (see pg. 2)								
Belt Bag / Safety Ropes		✓	✓	✓	✓	✓		
Air/Gas Monitor (check charge on Fri.)		✓	✓	✓	✓	✓		

FIRE EQUIPMENT CONTINUED

Safety Equipment: Cones, Flares	✓	✓	✓	✓			
Wheel Chocks	✓	✓	✓	✓			
Ladders	✓	✓	✓	✓			
Portable Monitor w/ chains		✓		✓			

DAILY INSPECTIONS CONTINUED

Equipment	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain				4200	42-	42	42-
SCBA 2 Engineer	4200		4200	4200	42-	42	42-
SCBA 3 FF #1	4500		4500	4500	45-	45	45-
SCBA 4 FF #2	4200		4200	4200	42-	40	40-
RIC BAG	4400		4400				
Voice Amplifier (w/)	4		4	4	4		
Spares							
Spare 1	4500	4400	4500	4500	45-	40	42-
Spare 2	4500	4500	4500	4200	42-	40	40-
Spare 3	4500	4500	4500	4500	40-	38	38-
Spare 4	4000	4000	4500	4200	40-	42	42-
Spare 5	4500	4500	4500	4000	3500	30	30-
Spare 6	4500	4300	4500	3500	4000	42	42-

WEEKLY INSPECTIONS

Check	Sun.	Wed.	Tues.
Check Fluids	2/12		
Engine Oil	✓		
Transmission	✓		
Coolant	✓		
Brake/Air Pressure	✓		
Power Steering	✓		
Wiper Fluid	✓		
Check Battery/Battery	✓		
Check Belts/Hoses	✓		
Check Breather Valve/Transmission	✓		
Check Front Brakes & Lines	✓		
Check Rear Brakes and Lines	✓		
Check Suspension/Steering Components	✓		
Check Drive Line	✓		
Check for any Fluid Leaks/Note	✓		
Check Front/Rear Tire Wear/Tread	✓		

10 Step Air-Brake Check	Tues.
1. Air Chambers, Air Lines	✓
2. Check Drums/Discs, Shoes/Pads	✓
3. Test Low Air-Pressure Warning	✓
4. Automatic Spring Brake Set	✓
5. Rate of Air-Pressure Build up	✓
6. Test Air Leakage Rate	✓
7. Check Air-Compressor Governor Cut In/Out	✓

Check Tire Pressures	LF 120	RF 120	LF 120	RF 120
All at 120				
2nd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120
O = Outside	I-LR 120	I-RR 120	I-LR 120	I-RR 120
I = Inside				
3rd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120
	I-LR 120	I-RR 120	I-LR 120	I-RR 120

Check gauges:	Date	Sat.
Engine RPM		
Temperature		
Fuel		
Check Pump Volt/Amps		
Inspect/Operate Drain Valves		
Inspected all Intakes/Discharges		
Check Priming Pump Operation		
Check Proper Operation of Relief Valve		
Flush & Drain Discharges		
1st Sat. of month Flush and Refill Tank		
Foam System Operational Check		

	Mon.	Thurs.
Hydraulic Generator	✓	✓
Portable Generator	✓	✓
Fan's 1 and 2	✓✓	✓✓
Circular Saw/Blades	✓	✓
Chain Saw/Inspect Chain	✓	✓
Power plant-Rescue Tool	✓	✓
Spreaders Cutters	✓	✓
Short ram Long Ram	✓	✓
Inspect Saws-all	✓	✓
Refuel as Needed	✓	✓
Check Maint. Tag	✓	✓
Inspect Ladders/Halyards/Locks/etc.		

Perform Weekly SCBA Inspections
(See Weekly SCBA Inspection Sheet)
Date: Initials:
Date: Initials:

Daily Vehicle Check: Tower 151

Revised: 4/4/2010

Month/Year: SEPT 11

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1							
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th	7957	7461	7461	7461	7462	7465	7468
Engine Hrs: 1st and 15th	701	702	702	703	703	704	704
Aerial Hours 1st and 15th	242.5				243.5		
Generator Hours 1st and 15th							
Fuel Level: Capacity: 65 gallons	FULL	F	F	F	F	F	7/8
Warning Lights, Buzzers, etc.	✓	✓	✓	✓	✓	✓	✓
Gauges & Instruments	✓	✓	✓	✓	✓	✓	✓
Oil/Air Pressure	✓	✓	✓	✓	✓	✓	✓
Oil/Transmission Temp.	✓	✓	✓	✓	✓	✓	✓
Coolant Temp.	✓	✓	✓	✓	✓	✓	✓
Electrical: Volts/Amps	✓	✓	✓	✓	✓	✓	✓
Radios/Headsets/Cell Phone/Pager	✓	✓	✓	✓	✓	✓	✓
Clipboard/Paperwork/Maps/Passport	✓	✓	✓	✓	✓	✓	✓
Safety Vest/Brush Shield/Fire Shelter	✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights <i>CHITTS</i>	4	4	4	4		4	4
Supra Key / RAD Detector	✓	✓	✓	✓	✓	✓	✓
Thermal Camera (TIC) Batteries	✓	✓	✓	✓	✓	✓	✓
Mechanical/Electrical							
Lights: Running/warning/scene	✓	✓	✓	✓	✓	✓	✓
Code 3 Equipment	✓	✓	✓	✓	✓	✓	✓
Tires / Wheels	✓	✓	✓	✓	✓	✓	✓
10 Step Air Brake Check (see back)							
Detailed Aerial Check (see pg. 3)							
Aerial PTO - #1	✓	✓	✓	✓	✓	✓	✓
Hydraulic Generator PTO - #2	✓	✓	✓	✓	✓	✓	✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)	✓	✓	✓	✓	✓	✓	✓
Water Tank Level 300 gallons	FULL	F	FULL	F	F	F	✓
Foam tank Level 30 gallons	7/8	F	F	F	F	F	✓
Daily Pump Check	✓	✓	✓	✓	✓	✓	✓
Detailed Pump Check (see pg. 2)							✓
Jump Bags(Airway/Trauma/Peds)	✓	✓	✓	✓	✓	✓	✓
O2 Level	2000	2000	2000	2000	2000	1100	2000
ECG Monitor (Weekly Detail Check)	✓	✓	✓	✓	✓	✓	✓
CEP Drug Box / RSI Drug Box	✓	✓	✓	✓	✓	✓	✓
Suction Unit	✓	✓	✓	✓	✓	✓	✓
Miscellaneous Supplies	✓	✓	✓	✓	✓	✓	✓
Drinking Water	✓	✓	✓	✓	✓	✓	✓
Hand Tools/Wild Land/Appliances	✓	✓	✓	✓	✓	✓	✓
Engineers Headset/Flashlights	✓	✓	✓	✓	✓	✓	✓
Portable Extinguishers(ABC/PW)	✓	✓	✓	✓	✓	✓	✓
Power Tools / Fuel Cans	✓	✓	✓	✓	✓	✓	✓
Run Power Tools (see back)							
Tool Bag/Tools/Sharpen	✓	✓	✓	✓	✓	✓	✓
Snake Box/Pole	✓	✓	✓	✓	✓	✓	✓
SCBA/Spare Air Bottles	✓	✓	✓	✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)							
Fire Bag / Safety Ropes	✓	✓	✓	✓	✓	✓	✓

NEED
PDE
MIX

PINE Equipment Inventory

Safety Equipment: Cones, Flares	✓	✓	✓	✓	✓	✓	✓
Wheel Chocks	✓	✓	✓	✓	✓	✓	✓
Ladders	✓	✓	✓	✓	✓	✓	✓
Portable Monitor w/ chains	✓	✓	✓	✓	✓	✓	✓

DRIVING RECORD - CONTINUED

SCBA	Check	Driver	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1	Captain		4500	4500	4500	4500	4500	*4500	
SCBA 2	Engineer		4500	4500		4500		*4500	
SCBA 3	FF #1		4500	4500		4500		*4500	
SCBA 4	FF #2		4500	4500		4500		*4500	
RIC BAG								*	
SPARE PARTS				4	4	4			
SPARE 1			4500	4500		4500	4500	*4500	4500
SPARE 2			4500	4500		4500	4500	*4500	4500
SPARE 3			4500	4500		4500	4500	*4500	4500
SPARE 4				4500		4500	4500	*4500	4500
SPARE 5				4500		4500	4500	*4500	4500
SPARE 6				4500		4500	4500	*4500	4500

WEEKLY INSPECTIONS

Check	Fluids	Check	Fluids	Check	Fluids	Check	Fluids	Check	Fluids
Check Fluids	Engine Oil	Transmission	Coolant	Brake/Air Pressure	Power Steering	Wiper Fluid	Check Battery/Battery	Check Belts/Hoses	Check Breather Valve/Transmission
Check Front Brakes & Lines	Check Rear Brakes and Lines	Check Suspension/Steering Components	Check Drive Line	Check for any Fluid Leaks/Note	Check Front/Rear Tire Wear/Tread	Check Tire Pressure	Check gauges:	Engine RPM	Temperature
Check gauges:	Engine RPM	Temperature	Fuel	Check Pump Volt/Amps	Inspect/Operate Drain Valves	Inspected all Intakes/Discharges	Check Priming Pump Operation	Check Proper Operation of Relief Valve	Flush & Drain Discharges
1st Sat. of month Flush and Refill Tank	Foam System Operational Check								

10 Step Air-Brake Check	Tues.
1. Air Chambers, Air lines	✓
2. Check Drums/Disc, Shoes/Pads	✓
3. Test Low Air-Pressure Warning	✓
4. Automatic Spring Brake Set	✓
5. Rate of Air-Pressure Build up	✓
6. Test Air Leakage Rate	✓
7. Check Air-Compressor Governor Cut In/Out	✓

Hydraulic Generator	Mon.	Thurs.
Portable Generator	✓	✓
Fan's 1 and 2	✓	✓
Circular Saw/Blades	✓	✓
Chain Saw/Inspect Chain	✓	✓
Power plant-Rescue Tool	✓	✓
Spreaders	✓	✓
Short ram Long Ram	✓	✓
Inspect Saws-all	✓	✓
Refuel as Needed	✓	✓
Check Maint. Tag	✓	✓
Inspect Ladders/Halyards/Locks/etc.	✓	✓

Perform Weekly SCBA Inspections	Date:	Initials:
(See Weekly SCBA Inspection Sheet)		

- Daily Vehicle Check: Ladder 151

Revised: 11/01/2011

Month/Year: _____

Shop #: 3140

Dates:		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1								
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 15th	8142	8187					8287
Engine Hrs:	1st and 15th	804	809					805
Aerial Hours	1st and 15th							82.5
Generator Hours	1st and 15th							
Fuel Level:	Capacity: 65 gallons		42.4					1.4
Mechanical/Plumbing								
Warning Lights, Buzzers, etc.		✓	✓					✓
Gauges & Instruments		✓	✓					✓
Oil/Air Pressure		✓	✓					10/110
Oil/Transmission Temp.		✓	✓					✓
Coolant Temp.		✓	✓					✓
Electrical: Volts/Amps		✓	✓					✓
Radios/Headsets/Cell Phone/Pager		✓	✓					✓
Clipboard/Paperwork/Maps/Passport		✓	✓					✓
Safety Vest/Brush Shirts/Fire Shelter		✓	✓					✓
Survivor Flashlights		✓	✓					✓ x4
Supra Key / RAD Detector		✓	✓					✓
Thermal Camera (TIC) Batteries		✓	✓					✓
Mechanical/Plumbing								
Lights: Running/warning/scene		✓	✓					✓
Code 3 Equipment		✓	✓					✓
Tires / Wheels		✓	✓					✓
10 Step Air Brake Check (see back)								
Detailed Aerial Check (see pg. 3)								
Aerial PTO - #1		✓	✓					✓
Hydraulic Generator PTO - #2		✓	✓					✓
Cab / Hood Tilt-Eng. Inspect (see pg. 2)								
Water Tank Level	300 gallons	✓ Full	F					F
Foam tank Level	30 gallons	✓ Full	F					F
Daily Pump Check		✓	✓					✓
Detailed Pump Check (see pg. 2)								✓
EMS Equipment								
Jump Bags (Airway/Trauma/Peds)		✓	✓					✓
O2 Level		100%	✓ 200					
ECG Monitor		✓	✓ New					INBC OFFICE
CEP Drug Box / RSI Drug Box		✓	✓					INBC OFFICE
Suction Unit		✓	✓					✓
Miscellaneous Supplies		✓	✓					✓
Drinking Water		✓	✓					✓
Fire Equipment								
Hand Tools/Wild Land/Appliances		✓	✓					✓
Engineers Headset/Flashlights		✓	✓					✓
Portable Extinguishers (ABC/PW)		✓	✓					✓
Power Tools / Fuel Cans		✓	✓					✓
Run Power Tools (see back)			✓					
Tool Bag/Tools/Extension		✓	✓					✓
Snake Box/Pole		✓	✓					✓
Foam Containers/Eductor		✓	✓					✓
SCBA/Spare Air Bottles		✓	✓					✓
Weekly SCBA Inspection (see pg. 2)								
Rope Bag / Safety Ropes		✓	✓					✓
Air/Gas Monitor (check charge on Fri.)		✓	✓					✓

FIRE EQUIPMENT CONTINUOUS							
Safety Equipment: Cones, Flares	✓	✓					✓
Wheel Chocks	✓	✓					✓
Ladders	✓	✓					✓
Portable Monitor w/ chains	✓	✓					✓

SCBA INSPECTIONS CONTINUOUS

SCBA Check	Date	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain		4400	40+				*	4500
SCBA 2 Engineer		4400	X				*	4500
SCBA 3 FF #1		4500	4				*	4500
SCBA 4 FF #2		4200	4				*	
RIC BAG							*	

VALVE INSPECTIONS CONTINUOUS

Spare	Date	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Spare 1		4400	40+				*	4500
Spare 2		4500	X				*	4500
Spare 3		4400	4				*	4500
Spare 4		4500	4				*	4500
Spare 5		4100					*	4500
Spare 6		4000					*	4500

WEEKLY INSPECTIONS

10 Step Air-Brake Check

Check Fluids	Date	Sun.	Wed.	Tues.
Engine Oil				
Transmission				
Coolant				
Brake/Air Pressure				
Power Steering				
Wiper Fluid				
Check Battery/Battery				
Check Belts/Hoses				
Check Breather Valve/Transmission				
Check Front Brakes & Lines				
Check Rear Brakes and Lines				
Check Suspension/Steering Components				
Check Drive Line				
Check for any Fluid Leaks/Note				
Check Front/Rear Tire Wear/Tread				

10 Step Air-Brake Check

Check Tire Pressures	LF	RF	LF	RF	Mon.	Thurs.
All at 120						
2nd Axle	O-LR	O-RR	O-LR	O-RR		
O = Outside	I-LR	I-RR	I-LR	I-RR		
I = Inside						
3rd Axle	O-LR	O-RR	O-LR	O-RR		
	I-LR	I-RR	I-LR	I-RR		

Inspected Pump Check

Check gauges:	Date	Sat.
Engine RPM		✓
Temperature		✓
Fuel		✓
Check Pump Volt/Amps		✓
Inspect/Operate Drain Valves		✓
Inspected all Intakes/Discharges		✓
Check Priming Pump Operation		✓
Check Proper Operation of Relief Valve		✓
Flush & Drain Discharges		✓
1st Sat. of month Flush and Refill Tank		✓
Foam System Operational Check		✓

10 Step Air-Brake Check	Tues.
1. Air Chambers, Air lines	
2. Check Drums/Disc, Shoes/Pads	
3. Test Low Air-Pressure Warning	
4. Automatic Spring Brake Set	
5. Rate of Air-Pressure Build up	
6. Test Air Leakage Rate	
7. Check Air-Compressor Governor Cut In/Out	

	Mon.	Thurs.
Hydraulic Generator	✓	
Portable Generator	✓	
Fan's 1 and 2	✓	
Circular Saw/Blades	✓	
Chain Saw/Inspect Chain	✓	
Power plant-Rescue Tool	✓	
Spreaders Cutters	✓	
Short ram Long Ram	✓	
Inspect Saws-all	✓	
Refuel as Needed	✓	
Check Maint. Tag	✓	
Inspect Ladders/Halyards/Locks/etc.		

Perform Weekly SCBA Inspections	
(See Weekly SCBA Inspection Sheet)	
Date:	Initials:
Date:	Initials:

11/07/2012

[REDACTED]

Terry,

After inspection of [REDACTED] fire department's ladder at the station, and the cable and pulley parts in your office, we can see that the cable failure was caused by the bushings in the pulleys being completely worn away and the pulleys themselves and pins showing extensive damage. The amount of damage indicates that the bushing had been worn away for sometime and the bushing failure went unnoticed. We have seen a similar problem with the bushings in the pulleys on our American La France ladders. The bushing in our units appears to be similar in make up. The major difference being on our units no grease fitting is provided for lubrication and the manufacturer tells us it is not needed. We have set up in our department a 30 day ladder inspection by a qualified ladder technician. On several of the inspections our technicians have found the pulley bushings worn and were able to repair the problem before it wore into the pulley.

Information gathered while speaking with the ladder crew and the presence on the ladder of fresh grease and lube on the ladder rails tells that the unit was being lubed and inspected at times by someone, how often I don't know. I do know that to a trained eye the pulley damage would have been obvious and caught long before a failure occurred.

We have been battling with the premature bushing failure on our units for sometime. One of our units didn't make 6 months and several bushings failed. Should you expect a bushing on one of these pulleys to last at least a year, especially on a ladder with such low hours. I think you should.

[REDACTED]
Phoenix fire department

[REDACTED]
[REDACTED]
[REDACTED] Arizona
[REDACTED]
[REDACTED]

**Mr. Jessie Atencio, Assistant Director
Arizona Division of Occupational Safety and Health
2675 East Broadway
Tucson AZ 85716**

August 19, 2012

Director Atencio,

Around 6:56 PM during a public relations event at [REDACTED] Fire District Station 151 at 250 S. La Canada on Wednesday, August 15, 2012, our 100-foot aerial platform apparatus failed. The failure of the ladder portion of the truck caused the uppermost section (also known as a fly section) of the ladder to drop suddenly and rapidly approximately 30 to 40 feet along the plane of the ladder's positional angle. The ladder was elevated at approximately 45 degrees relative to horizontal. At the time of the incident, there were a total of five occupants in the "bucket" — four civilians and one fire captain who is an employee of the [REDACTED] Fire District.

The fire captain reported all occupants, himself included, sustained injuries. Despite his own injuries, the fire captain began to immediately care for the civilians. Two additional firefighters climbed the ladder to assist the fire captain. All five patients were subsequently transferred to another aerial platform from a neighboring fire department and safely lowered to the ground. Once lowered, the five patients continued to be treated by fire and EMS crews. Within minutes of being lowered to the ground, four of the patients were placed into ground ambulances and one was loaded into a helicopter. All were taken to University of Arizona Main Campus. The [REDACTED] Fire District employee was taken to UAMC by ground ambulance.

Once the incident was stabilized, [REDACTED] Chief [REDACTED] of the [REDACTED] Fire District began to make requisite notifications to numerous authorities, including ADOSH and NIOSH. His call to the Tucson ADOSH office occurred around 8:50 PM. Since this was an unprecedented event for the [REDACTED] Fire District, we decided to act promptly and proactively by contacting all proper authorities.

As of this writing, three of the five patients have been discharged from the hospital. Two are still being treated for their injuries at UAMC. Our employee was released by UAMC in the early hours of Thursday, August 16, 2012.

At our request, The Arizona Department of Public Safety is conducting an ongoing Administrative Accident Investigation of the incident. The day after the incident, the manufacturer of the apparatus, Sutphen, sent representatives to assess the apparatus and begin the process of determining the cause of the failure. Results from both investigating entities are pending. The [REDACTED] Fire District has begun its own exhaustive analysis of the incident including a review of all safety policies and operational procedures. We will be glad to share any findings with ADOSH if required. For additional background, I've attached the media releases which summarize the events of August 15-16, 2012.

Please do not hesitate to contact me or Fire [REDACTED] if your office requires any additional information or has any questions. Chief Davis can be reached at [REDACTED]

Completed August 19, 2012
by

[REDACTED] Fire District

[REDACTED]
[REDACTED]
[REDACTED] Green Valley, AZ [REDACTED]
[REDACTED]

Summary of Phone Call with [REDACTED] Fire Department South Carolina

Submitted by Division Chief [REDACTED]

I received a phone message from Asst. Chief Paul Boulware with the [REDACTED] Fire Department in [REDACTED] South Carolina requesting I contact him regarding our Sutphen Ladder Incident. This phone call occurred on August 28th, 2012.

I made contact with [REDACTED] shortly after his message and he informed me that his department would like to "reach out" to us concerned about our recent incident and share some incidents that his department had experienced with their Sutphen ladder truck.

Chief [REDACTED] explained that his department has a 1996 SPH100 that has had three separate cable failures, two occurring with occupants in the bucket, one of which included a failure with Sutphen representatives in the bucket.

Chief [REDACTED] advised that following the first cable failure, Sutphen informed him that the original pulleys, with needle bearings, were not maintained and were the source of the cable snap. Sutphen came down to his department and replaced the needle bearings in these pulleys with teflon bushings following this incident.

Chief [REDACTED] advised that following the first failure, his department hired an independent maintenance person, trained and approved by Sutphen, to handle all ladder related inspections and maintenance. Chief advised that they conduct all required maintenance and inspections in accordance with guidelines through this independent mechanic.

Following the hiring of this mechanic, their department has experienced two additional cable failures. Chief [REDACTED] expressed concern about a possible design flaw and says his crews lack confidence in this truck now.

Chief [REDACTED] advised following the last failure required the truck to go back to Sutphen and have the ladder re-jigged.

Chief [REDACTED] advised that he and his staff would be happy to provide any additional information they can regarding their incident.

Contact Info:

[REDACTED]

Fire District

Summary of Phone Call with [REDACTED] Fire Department, [REDACTED] Ohio

Submitted by Division [REDACTED]

I was contacted by Asst. Chief [REDACTED] of the [REDACTED] Fire Department, on Tuesday September 4, 2012 in follow up to our request for information regarding recent ladder failures at his department.

Asst. Chief [REDACTED] advised that his department has experienced two cable failures on their 2007 SPH 100 ft. ladder truck, one of which was on a working fire with crews operating in the bucket. Chief [REDACTED] reported that the first time the incident occurred, Sutphen suggested that it was maintenance related issues with the pulleys and that this was the cause of the cable failure. Asst. Chief [REDACTED] had reservations with this suggestion based on the fact the pulleys were maintained and that they had grease inside the pulleys. Asst. Chief [REDACTED] reported that following the first incident, Sutphen replaced the needle bearings from the original pulley system with teflon bushings.

Asst. Chief [REDACTED] reported that following these repairs, the ladder had another cable failure with crews operating at a working fire. He said that teflon pads showed metal shavings on them around the pulley following this incident. He said the truck has since been sent to Sutphen, where it is now, to address the issue.

Asst. Chief Gallagher advised that he would be happy to provide additional information as necessary.

Contact Info:

[REDACTED]

Township Fire District

Date	Description	Status	Notes	WO #
08/01/07	2007 Aerial Test (ATC)	Failed	Found during annual test. 3rd sec. ext. cable, damaged wires	
08/01/07	Maintenance Division	Service	Replaced 2 cables	
08/29/08	2008 Aerial Test (ATC)	Caution	Left side base section extension cable, broken wires	
10/21/08	Sutphen Service	Service	Replaced cables.	
03/18/09	Cable failure	OSS	Cable @ 1st section failed	320
03/18/09	Sutphen Service	Service	Replaced cables & sheaves (Denison)	
04/09/09	Aerial Retest (ATC)	Failed	Extension cable @ 3rd section has nick. Marked with tape.	
04/17/09	Sutphen Service	Service	Replaced 2 cables (Upper 2/4) (Denison)	320
04/25/09	Aerial Retest (ATC)	Passed		
04/25/09	Aerial back in service	In service		
07/23/09	2009 Aerial Test (ATC)	Passed		
01/15/10	Metal shavings	OOS	Shavings in grease around pulley's	
01/20/10	Sutphen Service & Eng	OOS	While checking truck, cable failure, truck to plant. (Sturgil & Burke)	
02/02/10	Aerial Retest (Mistras)	Passed		
02/16/10	Aerial back in service	In service		
09/14/10	2010 Aerial Test (ATC)	Passed		
07/20/11	Cable failure	OOS	Aerial hours 536	1508
07/27/11	Sutphen Service	Service	Cables replaced & repairs completed on 07/29/2011	
11/12/11	2011 Aerial Test (CFS)	Passed		
09/22/12	2012 Aerial Test (CFS)	Passed		

Source:

Fire Engineering, Jul96, Vol. 149 Issue 7, p56, 5p, 2 Color Photographs, 1 Chart

Document Type:

Article

Subject Terms:

FIRE departments -- Equipment & supplies AERIAL ladders

Abstract:

Discusses the primary causes of aerial failures in the American fire service. Design, manufacturing and purchasing weaknesses of aerial apparatus; Twisting of ladders; Maintenance and inspection deficiencies; Operational errors.

Although aerial apparatus standards are continuing to improve with respect to safety-related design features, the American fire service continues to experience an inordinate number of aerial apparatus accidents and failures. Why? Within recent years, the National Institute of Emergency Vehicle Safety (EVS) has been maintaining a record of aerial incidents. The first documentation was begun in the late 1980s by Mission College in Santa Clara, California. The data were included in a video record of aerial incidents entitled Aerial Error. Distributed by a number of organizations as a public service, the original video--the only known existing visual record of aerial apparatus failures--is continuously revised and updated.

Subsequently, EVS has expanded its monitoring and recording efforts to include investigating aerial failures around the country. Eighty-six aerial incidents have been logged during the past four years. EVS also has in its database an entry for the recall of one aerial vehicle (tiller) and one aerial manufacturing defect, which together have had an impact on another 100 aerial units. The EVS database of aerial incidents is far from complete and is based on information obtained by or provided to EVS. Nevertheless, this informal data-gathering process has revealed that more than 180 aerial units have been affected by incidents, recalls, or manufacturing defects--a significant number of units. Yet, the fire service as a whole generally is unaware of this fact.

Unfortunately, when an aerial device fails, there are accusations of operator error, even by those unfamiliar with the specifics of the failure. EVS research regarding aerial failures, however, shows that a majority of aerial incidents are not the result of operator error. Actually, three primary areas (including operator performance) have been contributing to aerial failures.

PRIMARY CAUSES OF AERIAL FAILURES

The three primary causes of aerial failures as documented by EVS's database are as follows:

* Design, manufacturing, and purchasing weaknesses. Aerials manufactured since 1991 have been designed with a much higher degree of safety than those produced years ago. The newer design standards include increased tip load limits (minimum of 250 pounds at maximum extension and zero degrees elevation), improved ladder design (K-bracing), and other important features. Unfortunately, these increased standards do not always result in a nonflawed apparatus. It must also be remembered that the largest majority of aerial units in service were manufactured before adoption of NFPA 1901, Pumper Fire Apparatus--1991, and NFPA 1904, Standard for Aerial Ladder and Elevating Platform Fire Apparatus--1991. Some of the design and manufacturing deficiencies that have contributed to aerial incidents have included the following:

--twisting of the aerial ladder (less than one year of age) to the extent that it could not be properly extended or retracted. It had to be disassembled and returned to the manufacturer for replacement.

--"peeling" or "gouging" of the metal structural members of the aerial; in some cases, the condition occurred during delivery tests or initial training on the unit.

--existence of water and extensive rusting on the interior of the ladder base rails of a new aerial ladder.

Other examples of aerial incidents related to the design, manufacturing, or purchasing process are safety recalls issued by the National Highway Transportation Safety Administration (NHTSA):

Another example of a serious problem that has not been the cause of a recall because it does not affect highway performance is the manufacturing defect found on the Hahn Firespire aerial. First identified by EVS in 1990 on a unit in [REDACTED] California, this defect affects 60 aerial units, including a number still in service today.

There also have been several cases in which departments sent an aerial unit back to the original manufacturer for repair. Unfortunately, the departments did not require an engineered repair and the manufacturer misunderstood the problem or inappropriately addressed it. In at least two instances, an aerial that had been returned by the manufacturer to the department failed because it had been improperly repaired.

* Maintenance and inspection deficiencies. At least 15 incidents during the past five years have resulted from failure to adhere to a rigid inspection and testing program. In several other instances, it was impossible to determine if poor maintenance or inadequate inspection and

testing contributed to the failure because the maintenance records for the unit were kept so poorly or did not exist.

Examples of how failure to inspect and maintain aerials has contributed to the conditions that caused their failure include the following:

- annealed aluminum that should have been identified during a regular testing program.

- cracks in and separations of welds, which, again, should have been identified during regular inspection/testing.

- extensive corrosion/rust in or on structural members, which should have been identified during inspection/testing.

- existence of structural fasteners with the markings to indicate their potential to be counterfeit and therefore substandard.

It can't be stressed enough that regular inspection and testing are a shared responsibility between the independent organization and the owner of the aerial unit. Complete inspection and testing, including nondestructive testing--while conducted by many departments on an annual or biannual basis--are required only once every five years under the provisions of NFPA 1914. More important is the required operational; visual, and load testing required annually as well as after each time the aerial device is used under unusual conditions, excessive stresses or loads, or any other condition that might have exceeded the limitations set by the manufacturer. While a third-party testing organization can be retained, qualified fire department personnel can perform the required fire operations, visual, and load testing. In either case, performing these tests is essential to ensuring a safe aerial device.

When investigating an aerial failure, comments such as the following are often heard:

"Yes, the aerial is regularly tested by XYZ Company, and it was last tested two and a half years ago and is due again next year. We like to exceed the required NFPA scheduling of once every five years just to be sure. Have we inspected it? Well, not really; that's the reason we use the testing company."

"Maintenance records? You will need to talk to Technician Jones. He knows that aerial inside and out. Written documentation? No, except for those penciled notes in the file and the invoices for some purchased parts."

In both cases, the department is unknowingly contributing to the potential failure of its aerial unit. It is vital that a department owning and operating an aerial unit supplement a nondestructive testing program performed by an independent-testing organization by doing the following:

- * keep detailed written records of all inspections, preventive maintenance, and repairs performed on the aerial unit.

- * ensure that the aerial unit is inspected regularly and thoroughly as part of an ongoing preventive maintenance program.

- * conduct the required operational, visual, and load testing on an annual basis and after any occurrence where the unit might have been subjected to conditions exceeding the limitations set by the manufacturer.

An aggressive and documented maintenance and inspection program is a vital and cost-effective component for any department wishing to minimize the potential for an aerial failure. Unfortunately, many departments are not performing these functions and are unintentionally contributing to aerial failures.

- * Operational errors. As with any multifaceted piece of equipment used under adverse conditions where life and property are at stake, operational difficulties or errors will occur. Aerial design within recent years has begun to minimize the difficulties with operational error through improved weight ratings (minimum 250-pound tip load) and interlocks that warn the aerial operator when the aerial is in a potential failure mode. Unfortunately, hundreds of aerial units still in service do not have these features.

Operational errors that result in aerial accidents usually can be classified into four general categories, as follows:

- * The aerial unit is used beyond its design limits. The newer aerial units designed in accordance with NFPA 1904 are intrinsically safer than many of the older aerial units. An improved design as well as a higher tip load (250 pounds) at any elevation or extension are incorporated into the manufacture of the unit.

Unfortunately, when that nice new unit goes out of service, such as for maintenance, the personnel now staffing the reserve unit expect that this 10-, 20-, or 30-year-old unit can perform in the same manner and to the same standards as their front-line aerial. Unfortunately, this is not the case. For example, some aerials designed under the older standards (prior to 1991) were to be used in a supported position--not cantilevered--at certain angles and extensions.

Within recent years, an aerial failed in an eastern city, causing a firefighter to be seriously injured. The aerial, a reserve unit of 20-plus years, was operating at a major fire with the ladder extended beyond 90 feet, raised to an elevation of about 40 degrees, and had water flowing. This positioning was well beyond the maximums recommended by the aerial manufacturer, as was noted on the aerial's turntable plate. The maximum recommended extension at 40 degrees of elevation when the unit was functioning as a water tower (which it was) was 50 feet. As a result, when the firefighter began to climb the ladder to adjust the nozzle, the ladder buckled and collapsed.

- * The aerial is used as a demolition tool such as a crane. Depending on local policies and situations, a number of departments have used aerial devices in ways for which they were

never designed. In the interest of convenience and speed, the aerial device was used to break out windows, enlarge openings in walls and roofs, and even to knock down masonry walls. Obviously, many of these aerial devices do not hold up under this type of abuse and catastrophically fail at the time of their improper use or at some later date. The aerial device designed for one application cannot effectively and continually be used for another without significant consequence.

* The warning system is ignored or overridden. It is recognized that under emergency conditions, aerials will be used in the manner necessary to achieve a life-saving operation. Often, this exceeds the manufacturer's operational limitations. A catastrophic failure is avoided--not always--but often because of safety margins built into the system. Unfortunately, many aerial incidents do not occur during an emergency but during mundane nonemergency duties such as repairing a flagpole halyard, hanging a street banner, or operating a water tower at an incident at which no lives are threatened.

One of the difficulties is that older aerial units do not have the type of warning systems and interlocks included on aerials designed and built under the provisions of NFPA 1904. Often, aerial operators are not properly trained or "forget" that the unit they are operating is not designed to be put into the configurations they manage to find. Again, many times, no serious consequences result; but older aerials are failing more often, since they were not designed or built to function under the conditions in which we place them.

* The stabilization system is not fully utilized. A review of the aerial failure database indicates a minimum of nine aerial incidents in which the stabilization system was not fully deployed or not deployed at all. In several of these instances, lives were threatened and the "short-jacking" was knowingly undertaken with a recognition of the potential for aerial failure. Unfortunately, several failures occurred during training exercises, maintenance inspections, and other non-emergency activities in which the operator or technician raised the aerial, intending to use it on a very limited basis, and then proceeded to raise it more fully and rotate the device. Without the stabilization system fully employed, the unstable aerial unit collapsed, chassis and all, onto its side.

Improperly uprighting the unit often increases the damage incurred when the aerial tipped over and destroys the structural integrity of the aerial device, the chassis (frame), or both. It is imperative that all personnel who will operate an aerial device for any reason be trained in the proper procedures, including the deployment of the stabilization system for placing in service.

CONCLUSION

While operator error does contribute to aerial failures, many items ranging from the design and manufacture of the unit to the inspection and maintenance of the unit cause many failures. When an aerial fails, a thorough investigation must be conducted to determine the reason for the failure. It is not enough to "assume" operator errors. Many reasons for the failures are not

readily obvious and cannot be determined without a thorough investigation that includes a metallurgical analysis.

WHERE ARE THE FAILURES LOCATED?

The aerial failure inventory compiled is based on incidents as reported to or learned of by Emergency Vehicle Safety (EVS). Although 87 incidents have been reported during the past four years, others unknown to us surely have occurred.

This summary does not include the vehicle recall that affected 40 aerial units in various states, especially California and New York, and the manufacturing defect that affected 60 aerial units in at least the states of California, Florida, New Jersey, Massachusetts, and the District of Columbia.

AERIAL FAILURE TABULATION SUMMARY

1991 - 1995

The following chart reads as follows:

Row 1: State Failures Reported

Row 2: Suspected Cause(s)/Remarks*

Alabama	1 (Cracks)
Alaska	1 (Cracks, fatality)
Arizona	2 (Weld/ladder)
California	23 (Welds/bolts/cracks/design fault/Improper repair/ironing/chattering/Failure to deploy stabilizers; Three fatalities)
Colorado	4 (Keyways/bolts/bucket cracks)
Connecticut	1 (Cause unknown)
Delaware	1 (Cause unknown)
Florida	2 (Failure to deploy stabilizers)
Illinois	7 (Cracks/cause unknown/turntable)
Indiana	1 (Aerial ladder buckled, cause unknown)
Kentucky	1 (Aerial ladder, cause unknown)
Maryland	1 (Failure to deploy stabilizers)
Massachusetts	3 (Aerial ladder buckled, fatality/Cause unknown)
Minnesota	2 (Annealed aluminum/cause unknown)
Mississippi	1 (Welds)
Missouri	2 (Power take-off (PTO)/failure to deploy stabilizers)
Nevada	2 (Failure to deploy stabilizers)
New Hampshire	1 (Outrigger)
New Jersey	3 (Aerial ladder failure/outrigger cracks)
New York	10 (Multiple aerial ladders buckled, various manufacturers/welds/cracks; Two fatalities)
Oklahoma	2 (Aerial ladder buckled, fatality/Cause unknown)

Oregon	1 (Aerial ladder, cause unknown)
Pennsylvania	4 (Cause unknown/improper repair/Design fault; fatality)
South Carolina	1 (Aerial ladder buckled, fatality)
Texas	2 (Cause unknown/failure to deploy stabilizers)
Vermont	2 (Annealed aluminum/cause unknown)
Washington	1 (Keyway)
Wisconsin	2 (Annealed aluminum/cause unknown)
Canada	3 (Leveling system/sheared shaft/welds; Three fatalities)

By RALPH CRAVEN AND JAMES T. STEFFENS

██████████ based in ██████████ Nevada, is a member of the NFPA Fire Department Apparatus Committee. He investigates apparatus, including aerial, failures across the country. He previously served for a number of years on the fire science faculty of Mission College in Santa Clara, California

██████████ is an independent consultant (ITS & Associates) to emergency service organizations based in ██████████, Florida. He served on the NFPA Fire Department Equipment Committee (predecessor to the Apparatus Committee) from 1988 to 1992 and is very active in addressing a variety of apparatus issues. ██████████ are founding members and officers of the National Institute of Emergency Vehicle Safety (EVS), a nonprofit independent organization based in ██████████ Nevada, dedicated to emergency vehicle safety.

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FL - TOWER LADDER CLOSE CALL

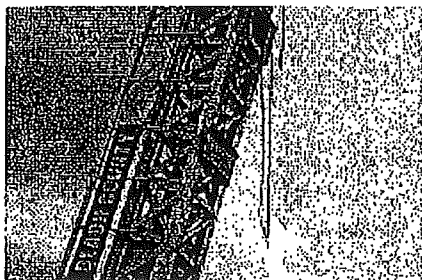


Share

Wednesday, May 16, 2012 A 70-foot Sutphen Elevated Platform suddenly retracted approximately 5-10-feet while operating in a Platform Operations class on Tuesday. Frayed steel cables were seen hanging from under the boom, and a pulley was thrown from its housing.

At the time of the incident, the aerial was operating at approximately 65-70-degrees and was extended about 60-feet above the ground. The 3 firefighters in the Platform were not injured and all were wearing helmets and were secured by ladder belts. A student on the ground was struck by flying debris, but was not injured. The 3 firefighters in the disabled Platform were removed by another Platform apparatus participating in the class.

The cause of the malfunction is being investigated.





FAMILY OWNED
SINCE 1890

June 8, 2012

[REDACTED] Fire Fleet Maintenance

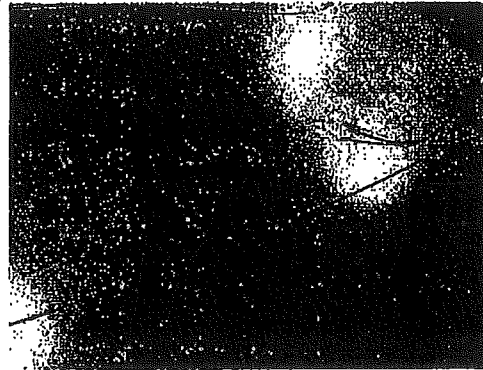
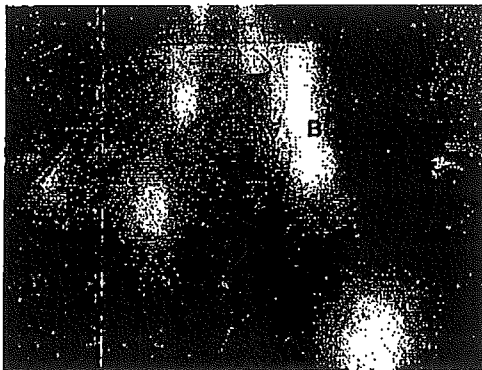
[REDACTED]
West Palm Beach, FL [REDACTED]

Dear [REDACTED]

Subject: Sutphen 70' Aerial Mini-tower, HS-4729, Cable Breakage Analysis

This is in response to request for assessment of the possible cause and future avoidance of cable breakage, which lead to the aerial suddenly de-telescoping, on the vehicle identified above. It appears that the event was triggered by a combination of loading situations that were perpetuated by loose cables.

1. One of the third section extension cables (labeled A), which is wound on the sheave on the second aerial section, was sheared when it came out of the pulley groove and pinched between the pulley and the pulley mounting ear (this is evidenced by the by the wire strand pattern grooves on the exterior of the sheave that remained in place). This cable stopped traveling when it bound on the hub/bearing pin. The other cable (labeled B) continued to travel freely. The first cable (A) overloaded and broke a second time (as indicated by the strands of wire still captive in the sheave mounting bracket assembly) leaving cable (B) to carry the entire load.

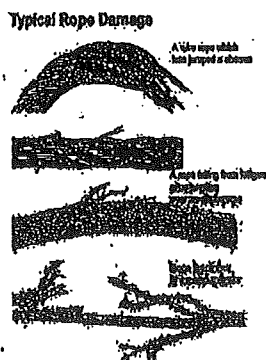
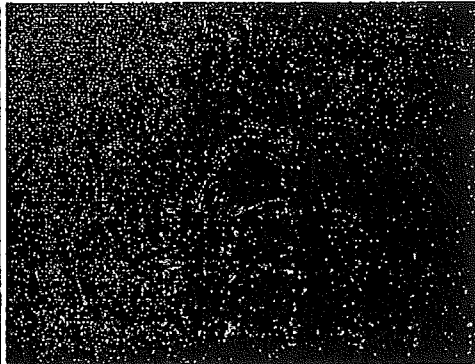


2. When the slack in the second cable (B) was taken up, the load was then increased by the inertial force of the full weight of the 3rd, and 4th aerial sections, yoke, platform, associated hardware, and the live load of 1000 lbs. (2724 lbs. x the acceleration of the aerial sections taking up the slack)
3. Cable (B) went from slack (zero load), causing it to jump the sheave, to snap (inertial force) loaded, which overloaded the sheave bearing mounting, causing it to tear.
4. The jumped sheave also sheared cable (B).

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Below is a recommended cable adjustment procedure that should be followed when the aerial is inspected. Per the manual the cable tension should be checked after the first three months of ownership, then monthly thereafter.

CABLE ADJUSTMENT PROCEDURE

Before beginning cable adjustment, be aware that this adjustment not only affects the tension of the cables, but also the position of the ladder sections. Follow the steps outlined below to maintain rung alignment throughout all sections as the cables are adjusted.

1. Set up aerial device according to the operator's manual. Rotate the ladder to one side of the apparatus and position the aerial so the cables below rung level can be serviced from the ground.
2. Assure the aerial slide areas and the waterway are clean and well-lubricated.
3. Inspect all cables for kinks, wear, and any signs of damage.
4. Extend the ladder at least 2/3 of full extension and stop *on extend stroke* when the rung alignment indicator lights.

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5. Adjust the retract cables to remove slack to the point that the cable cannot be easily moved by hand. Loosen the cable rod locknut and tighten the adjusting nuts, but do not tighten so much as to allow the metal spacers to contact the cable anchors. (See figure 5 below.) This would put tension on both the extend and retract cables at the same time, possibly causing excessive cable stretch or damage to other components. Retighten the locknut.

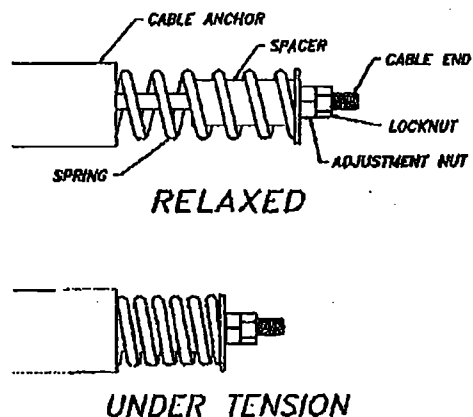


Figure 5

6. Extend and retract the ladder a few times; then with the ladder extended at least 2/3 of full extension, retract the ladder and stop on *retract stroke* when the rung alignment lights.
7. Adjust the extend cables as outlined in step 5 above. Remember there will *always* be some slack in the cables not doing the work of the function performed. (i.e., there will be slack in the retract cables when extending the ladder.)
8. Note the rung alignment indicator is mounted on the first ladder section and senses the position of the second section rungs. When the rung alignment indicator is illuminated, these rungs will always be aligned. Higher aerial sections, however, rely on proper cable adjustment to maintain alignment. Note the position of the rungs on the third section before beginning cable adjustment on this section. If the rungs are running behind the second section rungs, the extend cables need more tightening. If the rungs are ahead of the second section rungs, the retract cables need tightening. If the cables have already been adjusted for slack, one set or the other may need to be loosened to put the ladder section into proper position. Be sure to check the cables for binding; at no time should *both* the extend and retract cable spacers be against the anchors.
9. Operate the ladder throughout the extend and retract strokes. Stop the ladder when the rung alignment indicator illuminates. Recheck the cable adjustment; then check the position of the third ladder section rungs. Readjust as necessary. Be sure the cable tension and rung position is satisfactory before moving on to the fourth ladder section. If the third section cables are readjusted after the fourth section cables are adjusted, the rung position of the fourth section will be affected.

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**FAMILY OWNED
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10. When adjustment is complete, operate the ladder throughout the extend and retract strokes at different angles of elevation. The ladder sections should move smoothly, with all sections moving simultaneously. Sections should not drift back when the ladder is elevated. At no time should the sections collide while retracting. Stop the ladder at the rung alignment point and recheck adjustment.
11. It is important to remember there will always be a certain amount of slack in the cables not pulling the ladder sections. At high angles of elevation, however, the extend cables will have always have tension, even while retracting the ladder. This is due to the fact that the weight of the sections being pulled down by gravity is supported by the extend cables. Because of this, the extend cables are more likely to experience stretching and require adjustment. The retract cables are actually pulling only at elevations near or below horizontal.

Regards,

Jim Garver
Engineering Manager
Sutphen Towers, Inc.
4500 Sutphen Court
Hilliard, Ohio 43026

Cc: Julie Phelps
Ken Creese
David Stonitsch
file

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Customer Name	██████ AZ
Production Number	HS 4241
Date Shipped	
Product Model	SPH100 Aerial Platform
Date	June 2012

Client Concern	Customer contacted Sutphen indicating cables were showing signs of wear. Further inspection by fire department maintenance determined the brackets containing sheave wheel pins holes elongated; also, sheaves were making contact with brackets. NOTE: customer replaced damaged cables prior to picture frame replacement.
Cause	Cables misadjusted (over-tightened) by department personnel causing excessive pressure on the brackets containing the sheaves and pins eventually elongating the diameter of the clearance hole
Corrective Action	Replaced picture frame, sheaves, pins, etc. Reused recently replaced cables that the customer had installed. Retimed ladder sections. Adjusted cables to current procedures. NOTE: Customer replaced damaged cables prior to picture frame replacement.
Conclusion	Improper cable adjustment caused premature excessive wear on sheave brackets, resulting in elongation of the diameter of the clearance hole and cable damage.



Customer Name	██████ SC
Production Number	HS4099
Date Shipped	
Product Model	SPH100 Aerial Platform
Date	1/20/2010

Client Concern	Department was having trouble retracting the boom when the elevation was below 60 degrees. The department continued to attempt to retract the boom and broke a cable.
Cause	It was discovered that the slide block paths, waterway and sheave bearings all lacked lubrication. Continuing to operate the aerial in this condition caused the device to seize and the hydraulic cylinders overpowered the cable and broke it.
Corrective Action	• Waterway Replaced • Cables and sheaves replaced • Boom end section frame work replaced • Confirmed alignment of all components
Conclusion	Improper maintenance/inspection and lack of lubrication ultimately led to the failure.



Customer Name	SC
Production Number	HS4099
Date Shipped	
Product Model	SPH100 Aerial Platform
Date	7/21/2011

Client Concern	Frayed Cables Slide blocks show signs of shaving
Cause	Cables misadjusted (over-tightened) by department personnel Slide blocks shaved from a bolt that had backed out of place.
Corrective Action	• 12 sets of cables replaced • 12 sheaves and cable replaced (Note: only one was necessary) • 2 slide blocks replaced
Conclusion	• Inadequate department inspection detail. Proper inspection by department personnel would have identified the loose bolt. • Improper department cable adjustment



Customer Name	██████████ OH
Production Number	HS4197
Date Shipped	
Product Model	SPH100 Aerial Platform
Date	

Client Concern	Aerial device would not retract during operation in the field.
Cause	Improper cable adjustment by department personnel caused the cable to come off the sheave and become wrapped around the bracket and created collateral damage to the bracket and sheave pin. As a result, the pin came out and caused interference with the lacing structure of the aerial device, thus not allowing it to retract.
Corrective Action	Replaced cables Replaced sheaves and pins Replaced damaged lacings Boom end section frame work replaced
Conclusion	Improper cable adjustment allowed the cable to jump the sheave wheel, causing pin to interfere with aerial retraction.



Customer Name	RI
Production Number	HS4465
Date Shipped	
Product Model	SPH100 Aerial Platform
Date	

Client Concern	A worn sheave was discovered at the end of the second boom section.
Cause	Lack of lubrication
Corrective Action	This repair was performed by an authorized third party dealer service center. The dealer reported that one sheave and pin were replaced.
Conclusion	The worn part was not returned to the factory after replacement. The service technician discarded the component. No inspection was done by factory personnel.



Customer Name	CT
Production Number	HS4039
Date Shipped	
Product Model	SPH100 Aerial Platform
Date	

Client Concern	Fraying wire rope (cable).
Cause	Improper cable adjustment by department personnel caused the cable to rub on edge of sheave wheel.
Corrective Action	Truck transported to Springfield, Ohio. Second section frame work and sheaves replaced along with cables
Conclusion	Improper cable adjustment



Customer Name	FL
Production Number	HS4729
Date Shipped	
Product Model	SP70 Aerial Platform
Date	May 2012

Client Concern	During a training exercise the aerial platform unexpectedly retracted 10 to 15 feet.
Cause	One of the third section extension cables came out of the sheave and wound on the exterior of the wheel on the second section, and then sheared. As a result, the cable was pinched between the pulley and the pulley mounting ear. This was evidenced by the by the wire strand pattern impressions on the exterior of the sheave. This cable stopped traveling when it bound on the hub/bearing pin. The other cable continued to travel freely. The first cable overloaded and broke; as indicated by the strands of wire still captive in the sheave mounting bracket assembly, leaving the second cable to carry the entire load. When the slack in the second cable was taken up, the load was then increased by the inertial force of the full weight of the 3rd, and 4th aerial sections, yoke, platform, associated hardware, and the live load. The second cable went from slack (zero load), causing it to jump the sheave, to snap loaded, which overloaded the sheave bearing mount, causing it to tear. The jumped sheave also sheared the second cable. The root cause of this is attributed to cables that were misadjusted far too loosely by department personnel and were unable to stay on the sheaves. Manufacturer instructions and adjustment procedures were not followed, allowing the cables to loosen and fall out of the sheave wheel.
Corrective Action	The truck was transported to our Hilliard, Ohio facility for repairs. The damaged sheaves and cables were preplaced and the truck was returned to Palm Beach County. Sutphen conducted in-depth training for PB County personnel on the proper procedures for adjusting cable tension. The Sutphen distributor followed of up several weeks later to review cable adjustment procedures. The truck is in service today. No further reports of improper adjustment have been submitted.
Conclusion	Improper cable adjustment, failure to follow Manufacturer instructions and adjustment procedures, lead to the cable coming off the sheave.



Customer Name	██████████ Newfoundland Canada
Production Number	HS4039
Date Shipped	2007
Product Model	SL100 Aerial Ladder
Date	May 2011

Client Concern	Heard scraping noises, and found damage to aerial device specifically to the cable rod ends, rungs, and cable anchor beams.
Cause	The extension/retraction cables installed by the factory were too long. Therefore, continued cable adjustment in an effort to take up the slack allowed the tip of the cable anchor adjustment rod to wobble and interfere with parts of the second ladder section.
Corrective Action	The aerial device on this vehicle was a prototype. Since the complete device was of a prototype nature the decision was made to remove the entire device and replace it with a new unit. Discovery of the over length cables lead to a redesign of all future SL100 models.
Conclusion	This aerial device was a 1 st article prototype. No other units existed in the field at the time.



Customer Name	Canada
Production Number	HS3020
Date Shipped	1996
Product Model	SP70 Aerial Platform
Date	August 2012

Client Concern	Sheave came out of bracket
Cause	A cotter pin was lost allowing the bearing pin to disengage, thus allowing the sheave to come out of its mounting.
Corrective Action	Damaged parts replaced, vehicle returned to service.
Conclusion	Inspection of retaining pin needs to be added to basic inspection procedures.



Customer Name	California
Production Number	HS2908
Date Shipped	1993
Product Model	SP70 Aerial Platform
Date	October 2002

Client Concern	Parts broke during servicing of ladder
Cause	Needles in bearing seized in place, and over time, had drifted sidewise to begin rubbing into adjacent mounting plate. As the rubbing continued into the plate, enough material was gouged away to let the entire supporting pin become disengaged. Once the pin became disengaged, the cable and sheave pulled out and the cable supporting system failed.
Corrective Action	Sheaves, sheave mounting assembly, and cables replaced with new.
Conclusion	Lack of routine maintenance and proper lubrication by department personnel.



Customer Name	[REDACTED] Ohio
Production Number	HS2945
Date Shipped	1995
Product Model	SP70 Aerial Platform
Date	July 2012

Client Concern	Excessive wear on hub of the sheave was found during service contract being performed by Sutphen service personnel. During disassembly it was discovered that part of the roller bearing housing was worn through.
Cause	Sheave mounting flange was bent to the point of scraping the hub of the sheave.
Corrective Action	Sheave and sheave mounting beam replaced with new.
Conclusion	The mounting flange had been bent sometime prior to occurrence that allowed for the interference and subsequent premature wear. Following of manufacturer maintenance instructions/procedures and routine/proper department personnel inspections being performed would have identified the condition.

Fire District

AZ

To Whom It May Concern:

Attached is the Evidence Inventory Sheet detailing the evidence that was collected by the Arizona Department of Public Safety during its investigation of our recent aerial incident.

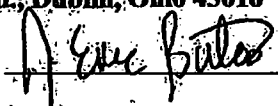
Attorneys involved in this matter have requested that this evidence be transferred with the truck when it is transported from Green Valley, Arizona to Dublin, Ohio.

Please note that all of this evidence was accounted for when it departed for Dublin, Ohio.

Signatures below attest to the transfer of this evidence and its chain of custody..

Evidence transferred on November 5, 2012 from [REDACTED] Fire District to Shuman Specialized Transportation, LTD. 2925 Columbus, Ave. Springfield, OH 45503

Evidence transferred on 11-12-12 from Shuman Specialized Transportation, LTD. to Sutphen Corporation, 6450 Eiterman Rd., Dublin, Ohio 43016


Sutphen Corporation

cc: Diane Barth, Glatfelters Claims Mgt.
Michael Herzog, Attorney representing GVFD
David Weber, Attorney representing Sutphen
Michael Drake, Attorney representing Browns/Friedmans

Leading the way with foresight, courage, and character since 1975

Fire District

AZ

September 26, 2012

Terry Johnson
AZ Dept. of Public Safety
6401 S. Tucson Blvd.
Tucson, AZ. 85706

Dear Detective Johnson;

The [REDACTED] Fire District would like to request that all evidence your department has collected, in regards to the administrative investigation of our ladder truck incident, be returned to the [REDACTED] Fire District on September 27th, 2012.

The [REDACTED] Fire District recognizes the importance of the chain of custody you have established and maintained, and will see that this chain of custody is maintained. We will be securing this evidence in a locker in accordance with guidance from our attorneys.

I have asked Chief [REDACTED] to accept custody of this evidence. When you bring the evidence down for all parties to inspect on the 27th, Chief [REDACTED] will review, in detail, the evidence and assume custody. Please advise if you have any special procedures or documentation that needs to be completed in advance of this transfer.

Thanks for your assistance in this matter.

Sincerely,

[REDACTED]



ARIZONA DEPARTMENT OF PUBLIC SAFETY
SCIENTIFIC ANALYSIS REQUEST AND
EVIDENCE INVENTORY

PAGE _____ OF _____

☐ TRAFFIC RELATED ☒ NON-TRAFFIC		UCR CODE (LAB USE ONLY)	DATE AND TIME EVIDENCE OBTAINED 8/15/12 2000		EVIDENCE USE ONLY STORAGE LOCATIONS		
[Redacted]		Address/City/Town		COUNTY WHERE EVIDENCE OBTAINED Pima			
CASE OF [Redacted]		I.D. NUMBER 2479	LOCATION CODE	PHONE x4500			
TYPE EXAMINATION REQUESTED ☐ LABORATORY ☐ QUESTIONED ☐ LATENT ☐ OTHER:							
HAS THIS EVIDENCE BEEN SCIENTIFICALLY EXAMINED BY ANYONE? ☐ YES ☒ NO CHARGES PENDING? ☐ YES ☒ NO							
INVESTIGATIVE MATERIAL? ☒ YES ☐ NO COURT DATE: (IF KNOWN)							
DESCRIBE EXAMINATION NEEDED FOR EACH ITEM AND PRIORITY IN WHICH THEY ARE TO OCCUR IF BEING ANALYZED BY MORE THAN ONE UNIT							
EVIDENCE MAY BE DISPOSED/DESTROYED? ☐ IMMEDIATELY ☐ AFTER ANALYSIS OFFICER'S SIGNATURE AUTHORIZING DISPOSAL/DESTRUCTION I.D. NUMBER DATE							
SUSPECTS	NAME		D.O.B.	ADDRESS & PHONE		A.R.S.	
	1. NAME		D.O.B.	ADDRESS & PHONE		A.R.S.	
	2. NAME		D.O.B.	ADDRESS & PHONE		A.R.S.	
	3. NAME		D.O.B.	ADDRESS & PHONE		A.R.S.	
ITEMS	27PSC	Cable					
	17PSC	HARNES					
	38PSC	Cable					
	45PSC	Cable					
	27PSC	HARNES					
	13PSC	HELMET					
	21PSC	HELMET					
	25PSC	DNR					
	1PSC-12PSC	14PSC-16PSC, 18PSC-21PSC, 23-26PSC, 28PSC, 30-36PSC, 37PSC-44PSC					
		Misc. 'Rover' Explosives, DEBRIS					
CHAIN OF CUSTODY	8 Boxes + 1 DNR	[Redacted]	4/9/12	[Redacted]	4796	Safekeeping	8/17/12 0520
	3 Boxes (A)(C)(D)	[Redacted]	6/29/12	[Redacted]	2479	Investigation	8/13/12 1410
	3 Boxes (A)(C)(D)	[Redacted]	2479	[Redacted]	2634	Tsn Evd	8/20/12 1500
	8 Box, 10TH	[Redacted]	4796	[Redacted]	2476	Investigation	9/18/12 0923
	8 Box, 10TH	[Redacted]	2475	[Redacted]	4796	Tom. P.W.	9/16/12 1130
	8 Boxes, 10TH	[Redacted]	6/29/12	[Redacted]	2475	RLS TO AGCY	9/27/12 1025
		[Redacted]	2476	[Redacted]		Release	9/27/12 1229
		[Redacted]		[Redacted]			

FOR CONTINUATION USE FORM 802-01822



ARIZONA DEPARTMENT OF PUBLIC SAFETY
SCIENTIFIC ANALYSIS REQUEST AND
EVIDENCE INVENTORY

PAGE 1 OF 1

☒ TRAFFIC RELATED ☐ NON-TRAFFIC		UCR CODE (LAB USE ONLY)		DATE AND TIME EVIDENCE OBTAINED 8/27/12 1000		EVIDENCE USE ONLY STORAGE LOCATIONS		
CASE OFFICER NAME JOHNSON				I.D. NUMBER 2479			COUNTY WHERE EVIDENCE OBTAINED PIMA	
TYPE EXAMINATION REQUESTED ☐ LABORATORY ☐ QUESTIONED ☐ LATENT ☐ OTHER:				PHONE 520-746-4664				
HAS THIS EVIDENCE BEEN SCIENTIFICALLY EXAMINED BY ANYONE? ☐ YES ☐ NO CHARGES PENDING? ☐ YES ☐ NO								
INVESTIGATIVE MATERIAL? ☐ YES ☐ NO COURT DATE (IF KNOWN)								
DESCRIBE EXAMINATION NEEDED FOR EACH ITEM AND PRIORITY IN WHICH THEY ARE TO OCCUR IF BEING ANALYZED BY MORE THAN ONE UNIT HOLD FOR SAFE KEEPING								
PROPERTY MAY BE DISPOSED/DESTROYED? ☐ IMMEDIATELY ☐ AFTER ANALYSIS								
OFFICER'S SIGNATURE AUTHORIZING DISPOSAL/DESTRUCTION								
I.D. NUMBER DATE								
NAME D.O.B. ADDRESS & PHONE A.R.S.								
SUSPECTS	1. NAME D.O.B. ADDRESS & PHONE A.R.S.							
	2. NAME D.O.B. ADDRESS & PHONE A.R.S.							
	3. NAME D.O.B. ADDRESS & PHONE A.R.S.							
ITEMS	3JTS 1 BEARING FROM SUTPHEN INC.							
CHAIN OF CUSTODY	ENV (K) 2479 6229 PRR 8/27/12 1513							
	1 ENV 11 4796 2479 INVESTIGATION 8/6/12 0923							
	1 ENV 11 2479 4796 FOR EVID 8/6/12 1130							
	1 ENV 11 6229 2479 RLS TO AUCY 9/12/12 1625							
	2479 RELEASE 9/27/12 1229							

FOR CONTINUATION USE FORM 802-01822

DISTRIBUTION: WHITE - EVIDENCE GREEN - LAB YELLOW - DEPT. RECORDS PINK - PROSECUTOR GOLDENROD - OFFICER/DISTRICT DPA 802-01820-F Rev. 7/00

BOOK NUMBER: 2012 034900

PAGE 7 OF 8

	☒ TRAFFIC RELATED ☐ NON-TRAFFIC	UCR CODE (LAB USE ONLY)	DATE AND TIME EVIDENCE OBTAINED		EVIDENCE USE ONLY STORAGE LOCATIONS	
	[REDACTED]		8/16/12 1300 FIRE DEPT. [REDACTED] PMN			
CASE OFFICER NAME J. HANSON		I.D. NUMBER 2479	PHONE 4664		[REDACTED]	
TYPE EXAMINATION REQUESTED ☐ LABORATORY ☐ QUESTIONED ☐ LATENT ☐ OTHER:						
HAS THIS EVIDENCE BEEN SCIENTIFICALLY EXAMINED BY ANYONE? ☐ YES ☐ NO CHARGES PENDING? ☐ YES ☐ NO						
INVESTIGATIVE MATERIAL? ☐ YES ☐ NO COURT DATE: (IF KNOWN)						
DESCRIBE EXAMINATION NEEDED FOR EACH ITEM AND PRIORITY IN WHICH THEY ARE TO OCCUR IF BEING ANALYZED BY MORE THAN ONE UNIT HOLD FOR SAFE KEEPING						

EVIDENCE MAY BE DISPOSED/DESTROYED?		OFFICER'S SIGNATURE AUTHORIZING DISPOSAL/DESTRUCTION	I.D. NUMBER	DATE
☐ IMMEDIATELY	☐ AFTER ANALYSIS			

SUSPECTS	NAME	D.O.B.	ADDRESS & PHONE	A.R.S.
	1.			
	NAME	D.O.B.	ADDRESS & PHONE	A.R.S.
	2.			
	NAME	D.O.B.	ADDRESS & PHONE	A.R.S.
	3.			

[illegible]

PACKAGE(S) ITEM	FROM NAME	TO NO	TO NAME	DATE
box		2473	LOCKER 23	STORAGE 8/16/12 18
Box (5)		6299		RRP 8/29/12 075
1 BOX (5)		2473		INVESTIGATING 8/24/12 141
1 Box "11		4796		Tsncvd 8/20/12 150
1 Box "		2473		Immunat 9/6/12 092
box "		6299		Thm. Evld 9/6/12 1130
		2473		RLS TO AGCY 9/17/12 102
				RELEASE 9/27/12 122

FOR CONTINUATION USE FORM 802-01622

DISTRIBUTION: WHITE - EVIDENCE GREEN - LAB YELLOW - DEPT. RECORDS PINK - PROSECUTOR GOLDENROD - OFFICER/DISTRICT DPS 802-01820 Rev. 03-2012

GREEN VALLEY FIRE DISTRICT
Evidence Review Sign In List
9/27/12

NAME	AFFILIATION	CONTACT
Robert [REDACTED] Byrne, Attorney	Herzog Law Firm for VFIS	602-618-5100
[REDACTED]	Victim	[REDACTED]
[REDACTED]	Victim	[REDACTED]
[REDACTED]	Sutphen	[REDACTED]
[REDACTED]	WireCo World Group	[REDACTED]
David Weber, Attorney	Potts & Assoc for Sutphen	[REDACTED]
[REDACTED]	Sutphen	[REDACTED]
[REDACTED]	Sutphen	[REDACTED]
[REDACTED]	Sutphen	[REDACTED]
[REDACTED]	Lester E Hendrickson for Plaintiffs	[REDACTED]
[REDACTED]	Representing Browns/Friedmans	[REDACTED]
[REDACTED]	Representing VFIS Insurance	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]

██████████ FIRE DISTRICT
Aerial Incident - Evidence Inventory

Item #	Item Description	Disposition
1 - PJC	Rivot	GVFD
2- PJC	Rivot	GVFD
3- PJC	Rivot	GVFD
4- PJC	Cable Wire	GVFD
5- PJC	Cable Wire	GVFD
6-PJC	Rivot	GVFD
7-PJC	Rivot	GVFD
8-PJC	Rivot	GVFD
9-PJC	Eyeglass Lens	to Browns
10-PJC	Rivot	GVFD
11-PJC	Rivot	GVFD
12-PJC	Cable Wire	GVFD
13-PJC	Fire Helmet - Dougall	GVFD
14-PJC	Rivot	GVFD
15-PJC	Screw Head	GVFD
16-PJC	Rivot	GVFD
17-PJC	Class Three Rescue Harness	GVFD
18-PJC	Rivot (Brass)	GVFD
19-PJC	Left Shoe (Judy Brown)	to Judy Brown
20-PJC	Washer	GVFD
21-PJC	Right Shoe (Judy Brown)	to Judy Brown
22-PJC	Fire Helmet - Hoyer	GVFD
23-PJC	Bracelet Half (silver colored) - ?watch	to Judy Brown
24-PJC	Bracelet Half (silver colored) - ?watch	to Judy Brown
25-PJC	Rivot	GVFD
26-PJC	Rivot	GVFD
27-PJC	Ladder Belt (2)	GVFD
28-PJC	Ladies Earring (gold colored)	to Judy Brown
29-PJC	Bucket Door	GVFD
30-PJC	Ladies Earring (gold colored)	to Judy Brown
31-PJC	Rivot	GVFD
32-PJC	Rivot	GVFD
33-PJC	Rivot	GVFD
34-PJC	Eyeglass Lens	to Browns
35-PJC	Knob	GVFD
36-PJC	Rivot	GVFD
37-PJC	Cable	GVFD
38-PJC	Cable	GVFD
39-PJC	Bolt	GVFD
40-PJC	Screw Head	GVFD
41-PJC	Watch Face	to Browns
42-PJC	Nut	GVFD
43-PJC	Bolt/Nut	GVFD
44-PJC	Eyeglasses - 2 Pair	to Browns

[illegible]

RE DISTRICT
Aerial Incident - Evidence Inventory

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[REDACTED] Fire District Standard Operating Guideline	Guideline	Civilian Observer		6105
	Section	8100 Operating District Vehicles		
	General Section	8000 General Operations		
	Author	Bohling		
[REDACTED] Fire Chief's Authorization	Original Date	Last Review	Review Month	Page(s)
	1-2001	1-2009		1 of 1

Purpose: To define responsibilities for personnel regarding civilian observer and ride-alongs.

Scope: All personnel shall follow these guidelines when hosting a civilian observer and/or ride-along.

Guidelines:

The [REDACTED] Fire District welcomes civilians to observe fire department activities subject to the limitation clause below. Civilians include any non-fire department personnel and include family members, visiting fire department personnel, members of the press, EMS and fire students, hospital personnel, dignitaries or other members of the community

Limitation Clause: While observers are welcome the program is not intended as an avenue for repetitious use. A typical civilian observer or ride-along would be for a maximum of one day. Those enrolled in fire or EMS programs requiring more hours would be exempted from this restriction.

All department personnel shall adhere to the following guidelines:

- Observers must be at least 18 years of age.
- Family member may be an observer if they are at least 14 years of age.
- Observers may participate in this program from 0800-2300.
- Any exceptions to the time period are at the discretion of the fire officer.
- All observers must sign a release form prior to riding on any apparatus.
- If an observer is less than 18 years of age, a parent or guardian must sign the release.
- Appropriate attire shall be worn at all times
- The District tobacco policy is in effect at all times.
- All District safety policies are in effect at all times.

It shall be the responsibility of the fire officer to ensure that all observers are wearing the appropriate attire and observe professional hygiene practices.

Examples of inappropriate attire include shorts, cutoffs, sandals and sleeveless shirts. Any observer failing to meet dress or behavior standards will be asked to leave the station by the fire officer.

It shall be the responsibility of the fire officer to witness the completion of the release forms. All forms shall be kept in a designated file with the administrative staff. The observer name, age, arrival and departure times shall be logged on the release form. The observer shall be issued an ID tag and a safety vest (if necessary).

The fire officer will brief the observer on expected conduct, **HIPPA policy** and safety policies. Because of the sensitive nature of some EMS calls, the observer may be asked to remain with the apparatus on certain incidents. The fire officer shall use his/her discretion regarding the observer's participation in any incident.



Phone

AZ

Release and Indemnify Agreement for Non-Department Observers

This Agreement is made and entered into this _____ day of _____, _____ by and between
(day) (month) (year)
hereinafter referred to as the 'Undersigned' and the Green Valley Fire District.

WITNESSETH:

Whereas, the Undersigned desires to accompany Green Valley Fire District on emergency calls;

And

Whereas, _____ Fire District is a subdivision of state government providing medical care and fire protections in response to emergency situations;

NOW, Therefore, in consideration of the promises herein set forth, the parties agree as follows.

The undersigned hereby releases and shall indemnify and hold _____ Fire District, its' officers, agents, employees and assigns harmless for any and all bodily injury or property damage sustained by the Undersigned hereafter occurring during times while seated in or situated on any vehicle owned or operated by _____ Fire District or while at the scene of any incident to which Green Valley Fire District has responded.

The Undersigned acknowledges that riding on a _____ Fire District vehicle and responding to emergency situations may be dangerous and may result in bodily injury and /or exposure to airborne or bloodborne pathogens. Exposure to an airborne or bloodborne pathogen may result in the transmission of AIDS, hepatitis, TB or other infectious diseases. The Undersigned assumes all risk inherent in being with, riding with and responding to emergency situations. This assumption of risk includes routine activities as well as responding to emergencies with lights and sirens and also the risks found at the scene of an emergency. The Undersigned agrees that they will follow all precautionary measures and instruction given by _____ Fire District employees.

The Undersigned further agrees to indemnify _____ Fire District for any and all loss, damage or liability, contingent or direct, which the _____ Fire District may sustain as a consequence of the acts or conduct of the Undersigned.

In consideration of said promises, _____ Fire District agrees to permit the Undersigned to ride in its' vehicles while in the company of _____ Fire District employees to the scene of emergencies, so long as it is reasonably feasible to do so and so long as it does not endanger the health, safety or welfare of the Undersigned or any third party. These determinations shall be entirely within the discretion of _____ District. The permission granted by Green Valley Fire District in this agreement may be revoked at any time by any agent of _____ District.

IN WITNESS THEREOF, this agreement is signed by the parties on the first date written above.

UNDERSIGNED

Print Name: _____ Signature: _____ Date: _____

Address: _____ Phone: _____

(If rider is a minor, this agreement must be signed by a parent or legal guardian here: _____)

BELOW FOR GVFD USE ONLY

On Duty Captain _____ Signature required for Ride-a-Long Approval _____

Date of Ride-a-Long: _____ Time of Ride-a-Long _____

Comments: _____

Fire District Standard Operating Guideline	Guideline	Command Modes			6302
	Section	8300 Incident Command			
	General Section	8000 General Operations			
	Author	Bohling / VanBoerum / Lohie			
Fire Chief's Authorization	Original Date	Last Review	Review Month	Page(s)	
	01/2008			1 of 2	

Note: To maintain compliance with the National Incident Management System, the Green Valley Fire District shall incorporate the NIMS Incident Command System into all relevant Standard Operating Guidelines. ICS shall be used for the command and management of all GVFD incidents.

Purpose: To provide guidelines for the three command mode when establishing command of an incident.

Scope: All Operations Personnel

Procedure:

The first arriving unit has several options in assuming Command:

1. INVESTIGATION MODE

These situations require investigation by the initial arriving units while other units remain at Level 1 staging (an exception is the BC who continue into the scene).

2. FAST ATTACK MODE

The Fast Attack Mode may be used for situations that require immediate action. In these situations, the Company (or acting) Officer goes with the crew to provide the appropriate level of supervision and assistance.

These situations include:

1. Offensive fires attack where the officer's involvement will resolve the incident problems or markedly reduce the problems. The immediacy and/or size of the problem will dictate the first-in officer's decision
2. Critical life safety situation where a rescue MUST be made in a compressed time. **NOTE:** If there is a major rescue problem with multiple victims, it may be more important for the officer to establish Command and begin assigning additional units to specific tactics

Fire District Standard Operating Guideline	Guideline	Command Modes			6302
	Section	6300 Incident Command			
	General Section	6000 General Operations			
	Author	Bohling / VanBosum / Louis			
Fire Chief's Authorization	Original Date	Last Review	Review Month	Page(s)	
	01/2009			2 of 2	

- Any incident where the safety and welfare of firefighters dictates that direct supervision is a necessity

The IC will maintain Command by portable radio until:

- The situation is stabilized
- Command is transferred

3. COMMAND MODE

Certain incidents, because of their size, complexity, or potential for rapid expansion require immediate, strong, direct, overall Command. The first-in officer should choose to be in the Command Mode, rather than assisting in initial tactical operations where his/her help will be minimal.

In such a case, the Company Officer will:

- Initially assume an exterior, safe, and effective Command position.
- Initiate and use the personnel accountability system.
- Begin to develop the Incident Action Plan.
- Call for and assign additional resources.

When the Command Mode is chosen, the IC has the following options for their crew:

- Place a firefighter in charge of the company and place the company into action with two or more members. This lead person MUST be provided with a portable radio or the crew must remain in contact with the IC or group or division supervisor.
- Assign the crew members to work under another Company Officer, division or group
- Assign the crew members to staff functions at the Command Post

Fire District Standard Operating Guideline	Guideline	Command Procedures		6303
	Section	6300 Incident Command		
	General Section	6000 General Operations		
	Author	Bohling / VanBoestum / Louis		
Fire Chief's Authorization	Original Date	Last Review	Review Month	Page(s)
	01/2009			1 of 4

Note: To maintain compliance with the National Incident Management System, the [REDACTED] Fire District shall incorporate the NIMS Incident Command System into all relevant Standard Operating Guidelines. ICS shall be used for the command and management of all GVFD incidents.

Purpose: To provide guidelines for the establishment and implementation of the Incident Command System. This SOG explains the responsibilities, establishment, function, organization and expansion of the Incident Command System.

Scope: All Operations Personnel

Procedure:

This SOG and the associated SOGs are designed to:

1. Fix the responsibility for Command on a specific individual through a standard identification system, depending on the arrival sequence of members, companies and chief officers
2. Ensure that a strong, direct, and visible Command will be established from the onset of the Incident
3. Establish an effective incident organization defining the activities and responsibilities assigned to the Incident Commander and to other individuals operating within the Incident Management System
4. Provide a system to process information to support incident management, planning, and decision making
5. Provide a system for the orderly transfer of Command to subsequent arriving officers

RESPONSIBILITIES OF COMMAND

The Incident Management System is used to facilitate the completion of the tactical priorities. The Incident Commander is the person who drives the Incident Management System towards that result. The Incident Commander is responsible for building a command structure that matches the organizational needs of the incident to achieve the tactical priorities. The Incident Commander is responsible for the completion of the following strategic priorities:

Fire District Standard Operating Guideline	Guideline	Command Procedures			6303
	Section	8300 Incident Command			
	General Section	8000 General Operations			
	Author	Bohling / VanBoerum / Louis			
Fire Chief's Authorization	Original Date	Last Review	Review Month	Page(s)	
	01/2009			2 of 4	

1. Provide for the safety, accountability, and welfare of personnel. This is an ongoing responsibility throughout the incident.
2. Life Safety (Rescue)
3. Incident Stabilization (Fire Control)
4. Property Conservation (Loss Control)

FUNCTIONS OF COMMAND

The Incident Commander shall:

1. Assume and announce Command and establish an effective operating position (Command Post)
2. Rapidly evaluate the situation (Size-up)
3. Initiate, maintain and control the communications process
4. Identify the overall strategy and select tactics, develop an Incident Action Plan, and assign companies and personnel consistent with the plan and these SOGs
5. Develop an effective Incident Management Organization
6. Review, evaluate, and revise (as needed) the Incident action plan
7. Provide for the continuity, transfer, and termination of Command

The first five functions must be addressed immediately on assumption of Command.

ESTABLISHING COMMAND

1. The first unit to arrive at the scene shall assume Command of the incident.
2. The initial Incident Commander shall remain in Command until Command is transferred or the incident is terminated.
3. The Incident Commander must staff the parts of the Incident Management System that are needed to effectively manage the incident resources.

Fire District Standard Operating Guideline	Guideline	Command Procedures			6303
	Section	6300 Incident Command			
	General Section	6000 General Operations			
	Author	Bohling / VanBogartum / Louis			
Fire Chief's Authorization	Original Date	Last Review	Review Month	Page(s)	
	01/2009			3 of 4	

COMMAND ORGANIZATION

The Command organization must develop at a pace that stays ahead of the tactical deployment of personnel and resources. In order for the Incident Commander to manage the incident, the ability to direct, control, and track the position and function of all operating companies must be in place.

The basic configuration of Command includes three levels:

1. Strategic Level - Overall direction of the Incident
2. Tactical Level - Assigns operational objectives (Tactics or Tasks)
3. Task Level - Specific tasks assigned to companies, teams, or individuals

The Strategic Level involves the overall command of the incident. This involves setting the broad goals, or strategy, and having a view of the "big picture." Strategy is the "what" that has to be done to resolve the incident problems. Strategies are determined through the size-up of the situation that identifies the incident problems.

The selection of the appropriate tactics to accomplish the strategies is fundamental. Tactics are "how" the strategies will be accomplished.

The Incident Commander must develop an Incident Action Plan (IAP) for the incident. The strategies and tactics are the basis of all actions. The IAP should also cover all support activities needed during the operational period. The IAP defines not only the "what" and "how," but also the "who, where and when." The IAP is the basis for developing the Command organization, assigning all resources, and providing adequate support for the operating companies.

The Strategic Level responsibilities include:

- OFFENSIVE or DEFENSIVE strategy
- Establishing overall incident objectives
- Setting priorities
- Developing an incident action plan
- Obtaining and assigning resources
- Predicting outcomes and planning
- Assigning specific objectives to tactical level units

Fire District Standard Operating Guideline	Guideline	Command Procedures		5303
	Section	6300 Incident Command		
	General Section	6000 General Operations		
	Author	Bohling / VanBoerum / Louis		
Fire Chief's Authorization	Original Date	Last Review	Review Month	Page(s)
	01/2009			4 of 4

The Tactical Level:

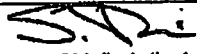
- Directs operational activities toward specific objectives
- May include Branch Directors, Division, and/or Groups
- Responsible for specific geographic or functional areas
- Has authority to make assignments and decisions within the boundaries of the operational plan and the specific area of responsibilities
- Has the responsibility for safety in the specific area of responsibility

The Task Level:

The Task Level refers to those activities normally accomplished by individual companies or specific personnel. The Task Level is where the work is actually done. Task Level activities are routinely supervised by Company Officers. The accumulated achievements of Task Level activities should accomplish the tactics.

EXPANDING THE ORGANIZATION

1. The transition from the initial response to a major incident organization will be evolutionary and positions will be filled as the corresponding tasks require.
2. The Incident Commander should be cognizant of the probable expansion of the organization based on the complexities and the number of resources required for control.

Fire District Standard Operating Guideline	Guideline	Unified Command		6304
	Section	6200 Incident Command		
	General Section	6000 General Operations		
	Author	Bohling / VanBoerum / Louis		
 Fire Chief's Authorization	Original Date	Last Review	Review Month	Page(s)
	01/2009			1 of 1

Note: To maintain compliance with the National Incident Management System, the Green Valley Fire District shall incorporate the NIMS Incident Command System into all relevant Standard Operating Guidelines. ICS shall be used for the command and management of all GVFD incidents.

Purpose: To provide guidelines for the implementation of a Unified Command with other agencies that have shared jurisdiction at the incident scene.

Scope: All Operations Personnel

Procedure:

- When more than one agency in a single jurisdiction or more than one jurisdiction has a legal responsibility for the mitigation of the incident, Unified Command may be established
- All agencies with legal responsibility for the incident outcome will influence the Strategy and Tactics that are selected
- The Section Chiefs should be chosen from one of the agencies represented in the Unified Command Post

Possible Selection Criteria:

- a. Basis of greatest jurisdictional involvement
 - b. Number of resources involved
 - c. Existing statutory authority
 - d. Mutual knowledge of the individual's qualifications
- The Section Chiefs may select representatives of the other agencies to act as Deputy Section Chiefs.

RECEIVED
9/8/12

THE HERZOG LAW FIRM, P.C.

14350 North 87th Street, Suite 180
Scottsdale, Arizona 85260
Telephone: (480) 264-0842
Fax: (480) 422-9008
Email: mh@herzogfirm.com

September 5, 2012

VIA EMAIL: jhertzberg@exponent.com

Jason Hertzberg, Ph.D., P.E.
EXPONENT
525 West Monroe Street
Chicago, IL 60601

Re: [REDACTED] Fire District

Dear Dr. Herzberg:

This letter will confirm that we are planning to inspect the vehicle at issue on September 27, 2012. I anticipate that Robert Byrne, a lawyer from my office who previously looked at the vehicle will accompany you to the inspection. We are going to give notice by letter to Sutphen and the claimants of the inspection. No destructive testing will occur at the inspection. Additionally, there will be no "tear down" of the vehicle at the inspection. We anticipate having available at the inspection the parts currently being held by the Sheriff's office. Those parts should be returned to [REDACTED] Fire District in the next couple of days. We anticipate that the inspection will begin at approximately 1:30 p.m. on September 27, 2012. Please call if you have any questions.

Yours very truly,

Michael Herzog

Michael Herzog
Certified specialist in injury and wrongful death litigation

MH:ljw
cc: [REDACTED]

Mr. [REDACTED]

Re: [REDACTED] Fire District

August 24, 2012

Page 2

Chief [REDACTED]

Richard G. Potts
Francis G. Passaro
David A. Weber
Walter Grochowski

POTTS & ASSOCIATES

Not a Partnership or Professional Corporation

*All attorneys are Employees of The Travelers Indemnity Company
and its Property Casualty Affiliates*

2401 W. Peoria Avenue, Suite 100, Phoenix, AZ 85029-4708

Facsimile: (877) 365-8043

Jan-Georg Roesch
Christopher L. Wilson
Paul S. Kular

November 9, 2012

Via E-mail and U.S. Mail

Mr. Dennis Fetter

WIRECO. WORLD GROUP

1220 NW Ambassador Drive

Kansas City, MO 64163

Email:

DennisFetter@WireCoWorldGroup.com

Via E-mail and U.S. Mail

Mr. Terry Johnson

ARIZONA DEP'T OF PUBLIC SAFETY

6401 S. Tucson Boulevard

Tucson, AZ 85706

Email: j.johnson@azdps.gov

Via E-mail and U.S. Mail

[REDACTED] C.

Via E-mail and U.S. Mail

[REDACTED]

Via E-mail and U.S. Mail

[REDACTED]

Via E-mail and U.S. Mail

[REDACTED]

RE: Mr. & Mrs. [REDACTED] / Mr. & Mrs. [REDACTED] Fire
Department; Sutphen Corp.; et al.
My Matter No.: 2012601301 Claim No.: [REDACTED]
Date of Loss: 08/15/2012

Gentlemen:

On 08/15/2012, a Sutphen SPH100 aerial platform owned by the [REDACTED] Arizona fire department experienced some type of aerial platform malfunction, the cause of which is currently under investigation. In summary, while the boom was extended some distance into the air while carrying four civilians and a firefighter, the device stopped extending and then eventually rapidly retracted. The four civilians and firefighter who were in the work platform sustained injuries. We are aware that the four civilians have retained legal counsel and an engineer to investigate the cause of the event.

Case: [REDACTED] Fire Dep't; Sutphen Corp., et al.
My Matter No.: 2012601301 Claim No.: [REDACTED]
Friday, November 9, 2012
Page 2 of 2

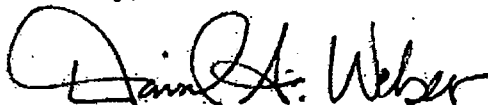
The SPH100 aerial platform unit is currently being shipped back to Sutphen's Dublin, Ohio plant via flatbed carrier. Once it arrives at the plant it will be disassembled, inspected, and eventually repaired to be placed back into service. It is anticipated that the unit will arrive at Sutphen's plant on Monday, November 12, 2012.

We are providing you with notice of this incident and upcoming processes in case you desire to have a representative present at the inspection and disassembly of the aerial platform. During the disassembly and repair process, various other parties already involved in the investigation will have representatives present and will be visually and photographically inspecting the aerial platform. Items that will be inspected include the slide blocks, wire rope, sheaves, pins, and polygon bearings.

A date certain on which the disassembly, inspection and repair processes will begin has not been established. Please contact me via telephone, letter or e-mail to indicate your interest in being made aware of date on which these processes will commence, and to advise whether or not you an interest in sending a representative to participate.

At this time, notice is being given to you because the cause of the event is still under investigation. I look forward to hearing from you.

Sincerely,



David A. Weber, Esq.

Phone: 602-861-8659

Email: DWeber@Travelers.com

DAW/vrs

[REDACTED] Fire District Standard Operating Guideline	Guideline	Command Procedures		6303
	Section	6300 Incident Command		
	General Section	6000 General Operations		
	Author	Bohling / VanBoerum / Louis		
[REDACTED] Fire Chief's Authorization	Original Date	Last Review	Review Month	Page(s)
	01/2009			1 of 4

GVFD
Exit
25.2

Note: To maintain compliance with the National Incident Management System, the [REDACTED] Fire District shall incorporate the NIMS Incident Command System into all relevant Standard Operating Guidelines. ICS shall be used for the command and management of all GVFD incidents.

Purpose: To provide guidelines for the establishment and implementation of the Incident Command System. This SOG explains the responsibilities, establishment, function, organization and expansion of the Incident Command System.

Scope: All Operations Personnel

Procedure:

This SOG and the associated SOGs are designed to:

1. Fix the responsibility for Command on a specific individual through a standard identification system, depending on the arrival sequence of members, companies and chief officers
2. Ensure that a strong, direct, and visible Command will be established from the onset of the incident
3. Establish an effective incident organization defining the activities and responsibilities assigned to the Incident Commander and to other individuals operating within the Incident Management System
4. Provide a system to process information to support incident management, planning, and decision making
5. Provide a system for the orderly transfer of Command to subsequent arriving officers

RESPONSIBILITIES OF COMMAND

The Incident Management System is used to facilitate the completion of the tactical priorities. The Incident Commander is the person who drives the Incident Management System towards that result. The Incident Commander is responsible for building a command structure that matches the organizational needs of the incident to achieve the tactical priorities. The Incident Commander is responsible for the completion of the following strategic priorities:

Fire District Standard Operating Guideline	Guideline	Command Procedures		6303
	Section	6300 Incident Command		
	General Section	6000 General Operations		
	Author	Bohling / VanBoerum / Louis		
Fire Chief's Authorization	Original Date	Last Review	Review Month	Page(s)
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1. Provide for the safety, accountability, and welfare of personnel. This is an ongoing responsibility throughout the incident.
2. Life Safety (Rescue)
3. Incident Stabilization (Fire Control)
4. Property Conservation (Loss Control)

FUNCTIONS OF COMMAND

The Incident Commander shall:

1. Assume and announce Command and establish an effective operating position (Command Post)
2. Rapidly evaluate the situation (Size-up)
3. Initiate, maintain and control the communications process
4. Identify the overall strategy and select tactics, develop an Incident Action Plan, and assign companies and personnel consistent with the plan and these SOGs
5. Develop an effective Incident Management Organization
6. Review, evaluate, and revise (as needed) the incident action plan
7. Provide for the continuity, transfer, and termination of Command

The first five functions must be addressed immediately on assumption of Command.

ESTABLISHING COMMAND

1. The first unit to arrive at the scene shall assume Command of the incident.
2. The initial Incident Commander shall remain in Command until Command is transferred or the incident is terminated.
3. The Incident Commander must staff the parts of the Incident Management System that are needed to effectively manage the incident resources.

Fire District Standard Operating Guideline	Guideline	Command Procedures		6303
	Section	6300 Incident Command		
	General Section	6000 General Operations		
	Author	Bohling / VanBoerum / Louie		
Fire Chief's Authorization	Original Date	Last Review	Review Month	Page(s)
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COMMAND ORGANIZATION

The Command organization must develop at a pace that stays ahead of the tactical deployment of personnel and resources. In order for the Incident Commander to manage the incident, the ability to direct, control, and track the position and function of all operating companies must be in place.

The basic configuration of Command includes three levels:

1. Strategic Level - Overall direction of the incident
2. Tactical Level - Assigns operational objectives (Tactics or Tasks)
3. Task Level - Specific tasks assigned to companies, teams, or individuals

The Strategic Level involves the overall command of the incident. This involves setting the broad goals, or strategy, and having a view of the "big picture." Strategy is the "what" that has to be done to resolve the incident problems. Strategies are determined through the size-up of the situation that identifies the incident problems.

The selection of the appropriate tactics to accomplish the strategies is fundamental. Tactics are "how" the strategies will be accomplished.

The Incident Commander must develop an Incident Action Plan (IAP) for the incident. The strategies and tactics are the basis of all actions. The IAP should also cover all support activities needed during the operational period. The IAP defines not only the "what" and "how," but also the "who, where and when." The IAP is the basis for developing the Command organization, assigning all resources, and providing adequate support for the operating companies.

The Strategic Level responsibilities include:

- OFFENSIVE or DEFENSIVE strategy
- Establishing overall incident objectives
- Setting priorities
- Developing an incident action plan
- Obtaining and assigning resources
- Predicting outcomes and planning
- Assigning specific objectives to tactical level units

Fire District Standard Operating Guideline	Guideline	Command Procedures			6303
	Section	6300 Incident Command			
	General Section	6000 General Operations			
	Author	Bohling / VanBoerum / Louts			
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The Tactical Level:

- Directs operational activities toward specific objectives
- May include Branch Directors, Division, and/or Groups
- Responsible for specific geographic or functional areas
- Has authority to make assignments and decisions within the boundaries of the operational plan and the specific area of responsibilities
- Has the responsibility for safety in the specific area of responsibility

The Task Level:

The Task Level refers to those activities normally accomplished by individual companies or specific personnel. The Task Level is where the work is actually done. Task Level activities are routinely supervised by Company Officers. The accumulated achievements of Task Level activities should accomplish the tactics.

EXPANDING THE ORGANIZATION

1. The transition from the initial response to a major incident organization will be evolutionary and positions will be filled as the corresponding tasks require.
2. The Incident Commander should be cognizant of the probable expansion of the organization based on the complexities and the number of resources required for control.

THE HERZOG LAW FIRM, P.C.

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Robert.Byrne@herzogfirm.com

November 19, 2012

VIA EMAIL: Dweber@travelers.com

David A. Weber, Esq.
POTTS & ASSOCIATES
2401 W. Peoria Avenue, Suite 100
Phoenix, Arizona 85029-4790

Re: [REDACTED] Fire District, Sutphen, et al.
Date of Accident: August 15, 2012

Dear Mr. Weber:

Below you will find our expert's input relative to the disassembly and testing:

Inspection Activities:

- Inspect and photo document aerial device, including subject and other wire rope mechanisms, prior to destructive testing / disassembly.
 - Photo document any visible damage to the ladder surfaces that are in close proximity to the wire ropes.
-
- Examine and document wire rope tensioning mechanism and setting of the subject wire rope. Document the tension in the other wire ropes and the associated mechanisms.
 - Remove (circular saw or torch cut) the mounting ears for the subject wire rope, preferably in their intact U-shape geometry. If not feasible, measure and photo document the mounting ear spacing and orientation prior to repair. Bisect if necessary to allow for examination of the interior surfaces.

David A. Weber, Esq.

Re: [REDACTED] Fire District

November 19, 2012

Page 2

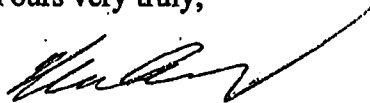
- Preserve a sister sheave including pin and bushing, if feasible.
- If available at Sutphen's facility, examine an intact, identical, exemplar aerial device and observe the extension/retraction of the telescoping boom. Document the tension in the exemplar wire ropes and the tensioning mechanisms. In addition, observe the extension/retraction process under multiple wire rope tension adjustment conditions, if possible.

Metallurgical Analysis

- ☐ For the wire rope sections that have already been removed, apply metal hose clamps in locations remote to the fractured ends in order to preserve the original wire rope construction. Section using a slow speed diamond saw (or comparable method) in order to prepare a metallurgical cross section for subsequent optical examination.
- ☐ Polish the prepared metallurgical mount and capture digital images, confirming the general wire rope construction as well as wire diameter measurements.
- ☐ Cut several representative wires from multiple strands for chemical analysis (to be outsourced).
- ☐ Perform optical microscopy, including digital image capture, of the wire rope fracture surfaces.
- ☐ Perform hardness testing on wires in the metallurgical mount.

Please let me know if Sutphen has any questions or concerns. Thank you.

Yours very truly,



Michael Herzog

Certified specialist in injury and wrongful death litigation

MH:lcl

cc: [REDACTED]

Green Valley Fire District Standard Operating Guideline	Guideline	Command Modes		6302
	Section	6300 Incident Command		
	General Section	6000 General Operations		
	Author	Bohling / VanBoerum / Louis		
Fire Chief's Authorization	Original Date	Last Review	Review Month	Page(s)
	01/2009			1 of 2

6VFD
EXH
25.1

Note: To maintain compliance with the National Incident Management System, the Green Valley Fire District shall incorporate the NIMS Incident Command System into all relevant Standard Operating Guidelines. ICS shall be used for the command and management of all GVFD incidents.

Purpose: To provide guidelines for the three command mode when establishing command of an incident.

Scope: All Operations Personnel

Procedure:

The first arriving unit has several options in assuming Command:

1. INVESTIGATION MODE

These situations require investigation by the initial arriving units while other units remain at Level 1 staging (an exception is the BC who continue into the scene).

2. FAST ATTACK MODE

The Fast Attack Mode may be used for situations that require immediate action. In these situations, the Company (or acting) Officer goes with the crew to provide the appropriate level of supervision and assistance.

These situations include:

1. Offensive fires attack where the officer's involvement will resolve the incident problems or markedly reduce the problems. The immediacy and/or size of the problem will dictate the first-in officer's decision
2. Critical life safety situation where a rescue **MUST** be made in a compressed time. **NOTE:** If there is a major rescue problem with multiple victims, it may be more important for the officer to establish Command and begin assigning additional units to specific tactics

Fire District Standard Operating Guideline	Guideline	Command Modes			6302
	Section	6300 Incident Command			
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	Author	Bohling / VanBoerum / Louis			
Fire Chief's Authorization	Original Date	Last Review	Review Month	Page(s)	
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- Any incident where the safety and welfare of firefighters dictates that direct supervision is a necessity

The IC will maintain Command by portable radio until:

- The situation is stabilized
- Command is transferred

3. COMMAND MODE

Certain incidents, because of their size, complexity, or potential for rapid expansion require immediate, strong, direct, overall Command. The first-in officer should choose to be in the Command Mode, rather than assisting in initial tactical operations where his/her help will be minimal.

In such a case, the Company Officer will:

- Initially assume an exterior, safe, and effective Command position.
- Initiate and use the personnel accountability system.
- Begin to develop the Incident Action Plan.
- Call for and assign additional resources.

When the Command Mode is chosen, the IC has the following options for their crew:

- Place a firefighter in charge of the company and place the company into action with two or more members. This lead person MUST be provided with a portable radio or the crew must remain in contact with the IC or group or division supervisor.
- Assign the crew members to work under another Company Officer, division or group
- Assign the crew members to staff functions at the Command Post

SUTPHEN SERVICE BULLETIN

August 23, 2012

Service Bulletin Number: 40528

Distribution: ALL

Model(s) Affected: ALL

Subject: Aerial Maintenance

Additional Comments:

Type:

Product Improvement

Recall/Campaign

Fix as Fail

Other

☐
☐
☐
☒

Description:

Aerial Maintenance

Action:

Parts Required

N/A

Standard Repair Time Allowed

N/A

Notification that Recall/Campaign is Required

Yes
NO

☐
☒

Additional Notes or Comments:



**Service Bulletin
August 21, 2012
Aerial Maintenance**

Maintenance is the key to keeping fire apparatus in good working order. A properly maintained truck will operate as designed for the life of the machine. We would like to remind all customers to be diligent in following recommended maintenance outlined in your **"Operator and Maintenance Manual"** provided with the truck at the time of delivery. This manual will provide insight to proper lubrication intervals, lubrication points, inspection procedures, bolt torque requirements and recommended lubrication materials. The manual covers a wide range of important components that require ongoing maintenance such as:

Pivot Shaft Bearing

Torque Requirements of Bolts

Aerial Extension and Retraction Cylinders

Slide Blocks

Aerial Device Structure

Turn Table Bearing

Rotation Gear

Sheaves and Cables

Waterway and Seals

Cable Adjustment Procedures

Every aspect of the preventive maintenance requirements is important. No one component is more important than the other. All items must be given proper care to avoid premature wear and or failure.

- If for any reason you do not have the original manuals please contact the Sutphen Service Department so we can assist you and get you the information you need.
- If you have any doubts as to procedures immediately contact the Sutphen Service Department or your Authorized Sutphen Service Center.
- If you have any concerns as to the condition of a component after performing a daily, weekly, or monthly inspection or maintenance procedure immediately contact the Sutphen Service Department or your Authorized Sutphen Service Center.

Models SPH100, SP95, SP110, SP100

Parts and Service

1653 West County Line Road
Springfield, Ohio 45501
1-866-287-5549

Models SP70, SA75, SL75, SL100

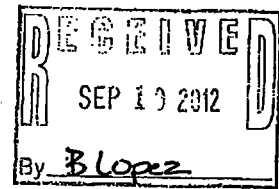
Parts and Service

4500 Sutphen Court
Hilliard, Ohio 43026
1-800-343-2712

Sutphen Corporation and its authorized service centers are your partners with a goal to assure that your apparatus operates as expected when the need arises. There is no question or request for assistance that is too small or large.



GVFD EXH 35



**Service Bulletin
August 21, 2012
Aerial Maintenance**

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[REDACTED] FIRE DISTRICT
Aerial Incident 8/15/2012

List of Exhibit Items for Transmission

Att'd	Item #	Description
___	1.0	Sutphen Corporation: Specification Sheets and Proposal(s)
___	2.0	Purchase Order #09-50005 2009 Sutphen Pumper (Ladder)
___	3.0	2009 Sutphen Pumper (Ladder) Acceptance Package
___	4.1	2009 Sutphen Pumper (Ladder) Initial Aerial Inspection
___	4.2	Certification of Inspection Issued by Diversified Inspections (Ladder testing)
___	5.0	Escape & Ladder Belt Record to Maintain
___	6.0	Sutphen Corporation Warranty Information
___	7.1	Sutphen Corporation: Table of Contents
___	7.2	Sutphen Corporation: Operation Manual (CD)
___	8.0	Shop 3140: Tower 151 Hourly Maintenance Schedule
___	9.1	GVFD - Daily Vehicle Check: Ladder 151: April, 2010 through May/June, 2012
___	9.2	GVFD - Daily Vehicle Check: Ladder 151: July, 2012 through Present
___	10.0	Paid Invoices from Shop 3104 from 2009-2012: including maintenance items
___	11.0	Check Sheet Showing Vehicle Registration, Proof of Insurance, and Ladder Testing
___	12.0	GVFD Proof of Insurance for 2009 Sutphen Pumper
___	13.0	Aerial Operation Safety: GVFD SOG 6104
___	14.0	Civilian Observer: GVFD SOG 6105
___	15.0	Duty Roster for August 15, 2012
___	16.0	Certificate(s) of Training - Jeffrey Mooney
___	17.0	Certificate(s) of Training - Manuel Valencia
___	18.0	GVFD Responding Crew: List of Personnel and Applicable Birthdays
___	19.0	GVFD Run Report #2012-0005624
___	20.0	Digital Photos taken August 15, 2012 (CD)
___	21.0	Drug Screen Results Letter(s) dated August 17, 2012 (redacted)
___	22.0	Injured Parties List
___	23.0	OSHA Letter
___	24.0	On Scene Personnel and Responders
___	25.1	Command Modes: GVFD SOG 6302
___	25.2	Command Procedures: GVFD SOG 6303
___	25.3	Unified Command: GVFD SOG 6304
___	26.0	GVFD Engineer Contact List
___	27.0	Training Records (CD)
___	28.0	DPS Scene Pictures of GVFD Aerial Incident 8/15/12
___	29.0	On Scene Crew Statements - C Wunder
___	30.0	On Scene Crew Statements - J Mooney
___	31.0	On Scene Crew Statements - M Valenzuela
___	32.0	On Scene Crew Statements - J O'Brien

Author's address: Department of Psychology, University of York, YO1 5DD, UK.
E-mail: m.j.harris@york.ac.uk

[illegible]

[REDACTED] Ladder Truck Incident
Run #2012-5624
On Scene Personnel and Responders

GVFD EXH 24

Crew Involved in Incident: [REDACTED] (OPS Division Chief & Incident Command) <u>A SHIFT 151 Crew</u> [REDACTED] (Captain - [REDACTED]) [REDACTED] (Engineer) [REDACTED] FF/CEP [REDACTED]	Truck 271 [REDACTED] Fire Department PH: [REDACTED] [REDACTED] (Lieutenant) [REDACTED] (Engineer) [REDACTED] (Firefighter) Assisted with Bucket-Bucket Rescue
Responding GVFD Crews on Scene: [REDACTED] <u>Engine 154</u> [REDACTED] <u>Engine 153</u> [REDACTED]	Witnesses to Incident: [REDACTED] [REDACTED] ef
Other On Duty GVFD Crews [REDACTED] <u>Engine 152</u> [REDACTED] <u>Engine 155</u> [REDACTED]	Other Responding GVFD Personnel [REDACTED] [REDACTED] Division Chief [REDACTED] in [REDACTED] (B Shift) [REDACTED] Chief (A Shift) [REDACTED] ft) [REDACTED] hift) [REDACTED] r (B Shift) [REDACTED] Shift)
Other First Responders On Scene <u>Southwest Ambulance</u> 520.407.4300 <u>PM 854</u> Nate Watson Erik Enriques <u>PM 853</u> Derrick Brown Villy Ottoey <u>PM 851</u> Randy Creighton Charles Murrietta	Other Support On Scene [REDACTED] Fire Chief, [REDACTED] Fire District [REDACTED] Arizona [REDACTED]

[REDACTED] Ladder Truck Incident

Run #2012-5624

On Scene Personnel and Responders

<u>PM 881</u> Gary Kimble Kriston Hawks [REDACTED] Fire District <u>SQ 443</u> [REDACTED] Lifeline Air Transport [REDACTED] <u>Lifeline 3</u> [REDACTED] (Pilot) [REDACTED] Nurse) [REDACTED] EP)	

Richard G. Potts
Francis G. Passaro
David A. Weber
Walter Grochowski

POTTS & ASSOCIATES

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*All attorneys are Employees of The Travelers Indemnity Company
and its Property Casualty Affiliates*

Jan-Georg Roesch
Paul S. Kular
Christopher L. Wilson

2401 W. Peoria Avenue, Suite 100, Phoenix, AZ 85029-4708
Facsimile: (877) 365-8043

November 20, 2012

Via E-mail Only

[REDACTED]

Via E-mail Only

Ms. [REDACTED]

[REDACTED]

Via E-mail Only

[REDACTED]

Via E-mail Only

[REDACTED]

Via E-mail Only

[REDACTED]

Via E-mail Only

[REDACTED]

Via E-mail Only

[REDACTED]

RE: Mr. & Mrs. [REDACTED]
Department; Sutphen Corp.; et al.
My Matter No.: 2012601301
Date of Loss: 08/15/2012

Claim No.: [REDACTED]

Fire

Lady and Gentlemen:

In follow-up to my previous letter, I should make you aware that I previously circulated to the other-involved parties, a list that my client provided that outlines

the general procedure for the disassembly of the [REDACTED] aerial platform. This list is not a "protocol" per se, but simply a general disassembly procedure my client will use to effectuate the repairs and into which each of our client's consultants will need to decide where to interject their investigation-related work activities so as to actually develop an expert-based "protocol" that they will follow during the disassembly process.

That work list is set out below for your information. I am providing, separately, a letter received from the [REDACTED] Fire Department's defense attorney on this topic, with his consultant's comments.

Here is the list of proposed work, and my client's estimate of completion times for each of the first 10 steps, since those are those ones that will likely be involved for "inspection" purposes (*please understand that these are only estimates of times, because as they start the disassembly process, there may be unforeseen issues that affect how quickly Sutphen personnel can complete each step. It is also possible that the process goes smoothly and they are able to complete each step in a shorter amount of time. Without knowing the extent of the internal damage, if any, it is difficult to know exactly how much time will be involved*):

1. Disconnect the electrical, air and hydraulics systems from the aerial device.

TIME ESTIMATE: 8 hours

2. Place the truck under an overhead crane in the boom assembly building.

TIME ESTIMATE: 1 hour

3. Remove the lift cylinder pins, pivot shaft, and disconnect the flexible water way.

TIME ESTIMATE: 8 hours

4. Lift the aerial device and pull the truck out from under the boom assembly and lower the ladder to the shop carts for further disassembly.

TIME ESTIMATE: 3 hours

5. Once on the cart, disconnect the electrics and air from the work platform and pull the securing pins and remove the work platform from the boom assembly.

TIME ESTIMATE: 8 hours

6. Remove the platform yoke from the end section of the boom.

TIME ESTIMATE: 4 hours

7. Remove the climbing ladder assembly, ladder pulls and all affected cables.

TIME ESTIMATE: 8 hours

8. Run the ladder out with the temporary hydraulic system.

TIME ESTIMATE: 1 hour

9. Pull sections 3, 4 and 5 out as one unit, then disassemble each section from the other until all sections are separate **AND**

10. Inspect each boom section to ensure they are within the tolerance, checking against the drawing. Look for any damage that may have been caused by the retraction incident.

TIME ESTIMATE: 20 hours

11. Replace any damaged parts and or any parts that are out of specification.

12. Begin reassembly of the aerial device with new or repaired components.

13. Replace yoke and bucket with new and reassemble the work platform to he original specification.

14. Make all electrical connections from the ladder to the bucket.

15. Reset aerial device onto truck.

16. Connect flexible water way.

17. Connect hydraulic, electrical and air systems.

18. Perform all necessary adjust procedures.

19. Third party test. (National Testing)

Sincerely,

[REDACTED]

DAW/vrs