

PE13-017

SUTPHEN

7-25-2013

Request 10

DPS Report Sect 3

Mission: [REDACTED]	

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GVFD - 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	Cosmano	ROS	HOK	ZAVLA			MILLER
Crew 2	WALSH	MILLER					
Crew 3	Amos	OR					
Crew 4	TEACHER	VINEZ					
Mileage: 1st and 15th	673	671.4	671.4	671.4			6736
Engine Hrs: 1st and 15th	579	579	580				581
Aerial Hours 1st and 15th	243.4	243.4					
Generator Hours 1st and 15th							
Fuel Level: Capacity: 65 gallons	78	3/8-	F	F			78-
Warning Lights, Buzzers, etc.	✓	✓	✓	✓			✓
Gauges & Instruments	✓	✓	✓	✓			✓
Oil/Air Pressure LOW-50	✓	✓*	✓	✓			OK
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	✓	✓	✓	✓			✓
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	✓	✓	✓	✓			FILL
Daily Pump Check	✓	✓	✓	✓			✓
Detailed Pump Check (see pg. 2)							✓
Jump Bags(Airway/Trauma/Peds)	✓	✓	✓	✓			✓
O2 Level	1800	1800	✓	1600			✓600
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 charges on Fri.)							

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		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/Remarks		4	4	10	4*			

SCBA Spare Air Cylinders

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 Inspection

Oil, Fluids, and Mechanical

Check Fluids	Dates	Sun. 3/20	Wed. 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

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

Generator and Tools

	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: Initials:

Date: Initials:

Weekly Vessel Inspection Checklist							
Stabilization System - Gears	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							
Vessel Inspection - Deck							
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. The first part of the document is a list of the names of the persons who were present at the meeting.

2. The second part of the document is a list of the names of the persons who were present at the meeting.

GVFD - Daily Vehicle Check: Tower 151

Revised: 9/12/2010

Month/Year: _____

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1	RAVALA	MILLER	Lopez	MILLER	Comandante	FINKE	Comandante
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th	6736	6736	6751	6753	6753	6753	6770
Engine Hrs: 1st and 15th	851	581	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 Continued

Safety Equipment: Cones, Flares	✓	✓	✓ 3/3	✓ 1/25	✓	✓	✓
Wheel Chocks	✓	✓	✓ 72	✓	✓	✓	✓
Ladders	✓	✓	✓	✓	✓	✓	✓
Portable Monitor w/ chains	✓	✓	✓	✓	✓	✓	✓

SCBA & Breathing Apparatus Continued

Dates	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 Emergency Alarm	4			4	4	C	
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

Dates	Sun. 8/27	Wed. 3/30
Check Fluids		
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	✓	✓

Dates	LF 120	RF 120	LF 120	RF 120
Check Tire Pressures				
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

Date	Sat.
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	✓

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		—
		Thurs.
Inspect Ladders/Halyards/Locks/etc.		✓

Perform Weekly SCBA Inspections

(See Weekly SCBA Inspection Sheet)	
Date: 8-1-11	Initials: 
	
Date:	Initials:

Weekly Acceptance Inspection Checklist							
Stabilization System - Gate	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 - Boat							
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 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							

GVFD - 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.
Crew 1	A-SOTO	MILLER	FINKES	MILLER	Conrad	MILLER	HOYE
Crew 2							
Crew 3							
Crew 4							
Mileage:	1st and 15th	6770	6770	6771	6774	6774	6776
Engine Hrs:	1st and 15th	587	587	587	588	588	588
Aerial Hours	1st and 15th		215.5	215.5			215.9
Generator Hours	1st and 15th			51.2			
Fuel Level: Capacity: 85 gallons		7/8	7/8	13/16	FULL	FULL	FULL
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 44	✓	✓	✓	
Clipboard/Paperwork/Maps/Passport		✓✓	✓✓	✓✓	✓	✓	
Safety Vest/Brush Shirts/Fire Shelter		✓✓	✓	✓✓	✓	✓	
Survivor Flashlights		4	✓x4	4	✓x4	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		NEARLY FULL		FULL	FULL	FULL	
Foam tank Level 30 gallons		FULL	✓	FULL	FULL	FULL	
Daily Pump Check		✓	✓	✓	✓	✓	
Detailed Pump Check (see pg. 2)							*
ECG Equipment							
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			✓		✓	✓	
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.)		✓	✓		✓	✓	

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

DAILY/INFORMATION CONTINUED

SCBA Check	Date	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			2500	4500	4500	4500	*4500	4000
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

CAR/VEHICLE MAINTENANCE

Check Fluids	Dates	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			✓
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/118	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

DEFUSTRATION

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		

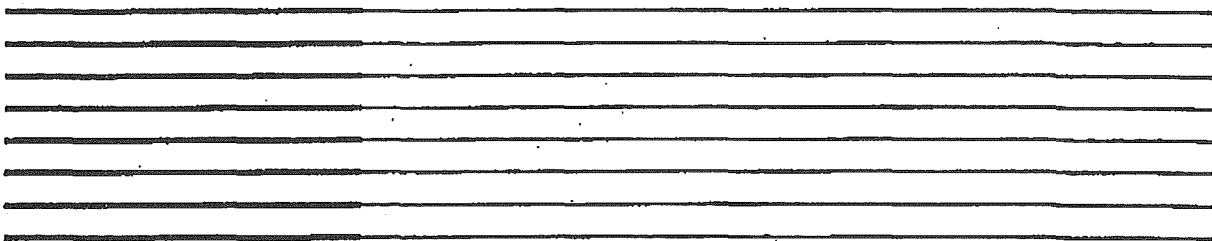
	Mon.	Thurs.
Hydraulic Generator		✓
Portable Generator		✓
Fan's 1 and 2		✓
Circular Saw/Blades		✓
Chain Saw/Inspect Chain		✓
Power plant-Rescue Tool		✓
Spreaders Cutters		✓
Short ram Long Ram		✓
Inspect Saws-all		✓
Refuel as Needed		✓
Check Maint. Tag		✓
Inspect Ladders/Halyards/Locks/etc.		✓

Perform Weekly SCBA Inspections

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

Weekly Aerial Inspection Check

Stabilization System - Panels	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level			✓				
Hydraulic Leaks			ND				
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			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			✓ ND				
Safety Lines			✓				
Smart Boom Warning System			✓				
Stabilizer Interlock Override			✓				
Rotational Interlock System			✓				
Emergency Hydraulic Controls			✓				
Platform Controls - EM							
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 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			✓				



GVFD - 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	MILLER	FROST	MILLER	MILLER	RAMMON SLACKER	MILLER	Comedy car
Crew 2							
Crew 3							
Crew 4							
Mileage:	1st and 15th	6710	7750	6780	6789	6780	6780
Engine Hrs:	1st and 15th	588	589	589	589	590	590
Aerial Hours	1st and 15th	215.9		215.9	215.9	215.9	
Generator Hours	1st and 15th			1.6			
Fuel Level: Capacity: 65 gallons		FULL	FULL	FULL	FULL	FULL	FULL
Warning Lights, Buzzers, etc.		V	V	V	V	V	V
Gauges & Instruments		V	V	V	V	V	V
Oil/Air Pressure		50/100	V	50/100	OR	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		V	V	V	V	V	V
Supra Key / RAD Detector		V	V	V	V	V	V
Thermal Camera (TIC) Batteries		V	V	V	V	V	V
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	V	V	V	V	V
Detailed Aerial Check (see pg. 3)		V	V	V	V	V	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	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	V	V	V	V
Jump Bags (Airway/Trauma/Peds)		V	V	V	V	V	V
O2 Level		1700	1700	1700	1700	1800	1500
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
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

FIRE EQUIPMENT CONDITION							
Safety Equipment: Cones, Flags	✓	✓	✓	✓		✓	✓
Wheel Chocks	✓	✓	✓	✓		✓	✓
Ladders						✓	✓
Portable Monitor w/ chains	—	NA		—		—	—

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							

SPARE AIR CYLINDERS							
Spare 1	4500			4200	4200	4200	4200
Spare 2	4500			4500	3800	3800	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			
SAVED BY CHECK MECHANICAL		Sun.	Wed.
Check Fluids		4/10	
Engine Oil		✓	✓
Transmission		✓	✓
Coolant		✓	✓
Brake/Air Pressure		NA	✓ OK
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 118	O-RR 120
O = Outside		I-LR 120	I-RR 120
I = Inside	3rd Axle	O-LR 118	O-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/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.		Thurs.

Perform Weekly SCBA Inspections	
(See Weekly SCBA Inspection Sheet)	
Date: 4/14/11	Initials: JPN
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							
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				✓			
Visual Inspection / Ladder Power							
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				✓			

9/12 WIPED DOWN UNDERWAY & PROLONGED

GVFD - Daily Vehicle Check: Tower 151

Revised: 9/12/2010

Month/Year: _____

Shop #: 3140

Dates:		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1		MILLER	ZAVALA	MILLER	Comodura	MILLER	Comodura	
Crew 2								ZAVALA
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	28.5		28.5	28.5	200.0		
Generator Hours	1st and 15th				32.2			
Fuel Level: Capacity: 65 gallons		FULL	F	FULL	F11	7/8	7/8	7/8
Warning Lights, Buzzers, etc.								
Gauges & Instruments		✓	✓	✓	✓	✓	✓	✓
Oil/Air Pressure		✓	✓	✓	✓	✓	✓	✓
Oil/Transmission Temp.		✓	✓	✓	✓	✓	✓	✓
Coolant Temp.		✓	✓	✓	✓	✓	✓	✓
Electrical: Volts/Amps		✓	✓	✓	✓	✓	✓	✓
Radios/Headsets		✓	✓	✓	✓	✓	✓	✓
Clipboard/Paperwork/Maps/Report		✓	✓	✓	✓	✓	✓	✓
Safety vest/Belt/Chin Strap		✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights		✓	✓	✓	✓	✓	✓	✓
Supra Key / Radio		✓	✓	✓	✓	✓	✓	✓
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
Foam tank Level 30 gallons		✓	✓	✓	Full	Full	Full	Full
Daily Pump Check		✓	✓	✓	✓	✓	✓	✓
Detailed Pump Check (see pg. 2)								✓
Emergency 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/Wild Land Appliances		✓	✓	✓	✓	✓	✓	✓
Engineers Headset/Flashlights		✓	✓	✓	✓	✓	✓	✓
Portable Extinguishers (ABC/PW)		✓	✓	✓	✓	✓	✓	✓
Power Tools / Fuel Cans		✓	✓	✓	✓	✓	✓	✓
Run Power Tools (see back)								
Tool Bag/Tools/Storage		✓	✓	✓	✓	✓	✓	✓
Snake Box/Pole		✓	✓	✓	✓	✓	✓	✓
SCBA/Spare Air Bottles		✓	✓	✓	✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)								
Rescue Bag / Safety Ropes		✓	✓	✓	✓	✓	✓	✓
Air/Gas Monitor (check charge on Fri.)		✓	✓	✓	✓	✓	✓	✓

FIRE EQUIPMENT CONTINUED

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

DAILY INSPECTIONS CONTINUED

SCBA Checks	Date	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain		2500	4500	4100	4200	2150	* 4500	4500
SCBA 2 Engineer		2500	4500	4100	4500	4200	*	4500
SCBA 3 FF #1		2500	4500	4500	4500	4200	*	4500
SCBA 4 FF #2		2500	4500	2000	4500	4200	* ✓	4500
RIC BAG							*	
VOICEM Emittals					4	2	4	4
Spare Air Bottles								
Spare 1		4500	4500	4500	4500	4500	* 4500	4500
Spare 2		4400	4500		4500	4500	* 4500	4500
Spare 3		4500	4500		4500	4200	* 4200	4500
Spare 4		4100	4500		4500	4000	* 4000	4500
Spare 5		4000		4000	4000	4000	* 4000	
Spare 6		4000		4000	4000	4000	* 4500	

WEEKLY INSPECTIONS

Check Fluids	Dates	Sun.	Wed.	Tues.
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		✓		
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	RF
All at 120				
2nd Axle	O-LR/20	O-RR/20	O-LR	O-RR
O = Outside	I-LR/20	I-RR/20	I-LR	I-RR
I = Inside				
3rd Axle	O-LR/20	O-RR/20	O-LR	O-RR
	I-LR/20	I-RR/20	I-LR	I-RR

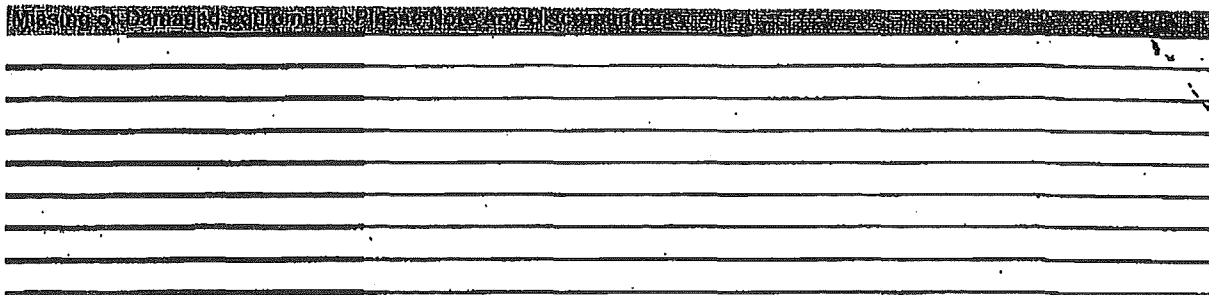
Check gauges:	Date	Sat. 5/7
Engine RPM		✓
Temperature		✓
Fuel		✓
Check Pump Volt/Amps		✓
Inspect/Operate Drain Valves		✓
Inspected all Intakes/Discharges		✓
Check Priming Pump Operation		✓
Check Proper Operation of Relief Valve		✓
Flush & Drain Discharges		✓
1st Sat. of month Flush and Refill Tank		✓
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	150
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	
(See Weekly SCBA Inspection Sheet)	
Date: 5-6-11	Initials: JL
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 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 Way 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				✓			



GVFD - Daily Vehicle Check: Tower 151

Revised: 9/12/2010

Month/Year: May/2011

Shop #: 3140

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

		CONRAD	SAVALA	MILNER	SAVALA	MILNER	MURRAY	WILSON
Crew 1								
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 15th	1639	1684	1684	1684	1684	1684	1684
Engine Hrs:	1st and 15th	598	600	602	602	602	602	602
Aerial Hours	1st and 15th	220	220.9	222.1	222.1	222.1	222.1	222.1
Generator Hours	1st and 15th							
Fuel Level: Capacity: 65 gallons		13/16	F	FULL	F	FULL	full	full
Cab/Control/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/Fire Shelter		✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights		✓	✓	✓	✓	✓	✓	✓
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	full	F
Foam tank Level 30 gallons		✓	F	FULL	F	FULL	full	F
Daily Pump Check		✓	✓	✓	✓	✓	✓	✓
Detailed Pump Check (see pg. 2)								
EMS Equipment								
Jump Bags (Airway/Trauma/Peds)		✓	✓	✓	✓	✓	✓	✓
O2 Level		1900	1900	1800	1800	1800	1800	1800
ECG Monitor		✓	✓	✓	✓	✓	✓	✓
CEP Drug Box / RSI Drug Box		✓	✓	✓	✓	✓	✓	✓
Suction Unit		✓	✓	✓	✓	✓	✓	✓
Miscellaneous Supplies		✓	✓	✓	✓	✓	✓	✓
Drinking Water		✓	✓	✓	✓	✓	✓	✓
ABC 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/Storage		✓	✓	✓	✓	✓	✓	✓
Snake Box/Pole		✓	✓	✓	✓	✓	✓	✓
Foam containers/Eductor		✓	✓	✓	✓	✓	✓	✓
SCBA/Spare Air Bottles		✓	✓	✓	✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)								
RIT Bag / Safety Ropes		✓	✓	✓	✓	✓	✓	✓

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

DAILY INSPECTION CONTINUED

SCBA Check	Dates	Sun. 5/6	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								
Voice Recorder			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	Dates	Sun. 5/6	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		✓	✓
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

SPRINKLER/FAUCET

Check gauges:	Date	Sat 5-14
Engine RPM		005
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 Set. 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	118/110

	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

OK Pump Shifter
at 11:11 AM

Weekly Maintenance 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				✓			
Warning System on Ladder / 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				✓			

Missing or Damaged Equipment: Please note any damage or missing equipment.

[illegible]

GVFD - 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		ZAVALA				ZAVALA	MILLER
Crew 2				O			
Crew 3				O			
Crew 4							
Mileage: 1st and 15th		6848		S		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	1/2
Warning Lights, Buzzers, etc.							
Warning Lights, Buzzers, etc.		✓				✓	✓
Gauges & Instruments							
Gauges & Instruments		✓				✓	✓
Oil/Air Pressure		Low				✓	✓
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/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		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						✓	✓
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/Sign-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							—

Daily Inspection Continuation									
SCBA Operator		Date	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 Air Bottles									
Spare 1				4000		}		* 4000	4500
Spare 2				4000				* 4000	4500
Spare 3				4000				* 4000	4500
Spare 4				4000				* 4500	4500
Spare 5				4000				* 4500	4500
Spare 6				4000				* 4000	4000

WEEKLY INSPECTIONS																																															
DAILY INSPECTION		Sun.	Wed.	10 Step Air-Brake Check																																											
Check Fluids		Dates		Tues.																																											
Engine Oil				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																																											
Transmission																																															
Coolant																																															
Brake/Air Pressure																																															
Power Steering																																															
Wiper Fluid																																															
Check Battery/Battery																																															
Check Belts/Hoses				<table><tr><th></th><th>Mon.</th><th>Thurs.</th></tr><tr><td>Hydraulic Generator</td><td>✓</td><td></td></tr><tr><td>Portable Generator</td><td>✓</td><td></td></tr><tr><td>Fan's 1 and 2</td><td>✓</td><td></td></tr><tr><td>Circular Saw/Blades</td><td>✓</td><td></td></tr><tr><td>Chain Saw/Inspect Chain</td><td>✓</td><td></td></tr><tr><td>Power plant-Rescue Tool</td><td>✓</td><td></td></tr><tr><td>Spreaders</td><td>✓</td><td></td></tr><tr><td>Cutters</td><td>✓</td><td></td></tr><tr><td>Short ram</td><td></td><td></td></tr><tr><td>Long Ram</td><td></td><td></td></tr><tr><td>Inspect Saws-all</td><td>✓</td><td></td></tr><tr><td>Refuel as Needed</td><td>✓</td><td></td></tr><tr><td>Check Maint. Tag</td><td></td><td></td></tr></table>			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		
	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 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 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

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:

Missing or Damaged Equipment: Release Note Any release of

[illegible]

GVFD - Daily Vehicle Check: Tower 151

Revised: 9/12/2010

Month/Year: MAY 2011

Shop #: 3140

Dates:		Sun.	Mon. 23	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1		HUGHES		Comadum		Comadum		MILSEP
Crew 2		COMADUM			ZAVALA		ZAVALA	
Crew 3		PARAFPA						
Crew 4		TEDESCO						
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/Information								
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/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		LEAK	Full	Full	3/4	3/4	3/4	5/8
Foam tank Level 30 gallons		✓	Full	Full	Full	Full	F	Full
Daily Pump Check		✓	✓	✓	✓	✓	✓	✓
Detailed Pump Check (see pg. 2)								✓
PUMP/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
EVER
DOT

Fire Equipment Continued							
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							
Valve Embores	4		4	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		Sun.	Wed.
Dates 05/22		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		✓	✓

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	O-RR 120
		I-LR 120	I-RR 120	I-LR 120	I-RR 120

		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.			✓

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: 5/28	Initials: DR
Date: 5/28	Initials:

Weekly Aerial Inspection Checklist							
Stabilization System - Pumps	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 - Pumps							
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 raising/lowering 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				✓			

Missouri: Barrege Equipment - Flexall, Inc. and Flexall, Inc.

[illegible]

GVFD - Daily Vehicle Check: Tower 151

Revised: 4/4/2010

Month/Year: MAY/JUNE 2010

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1	ZAVALA	MILLER		MILLER	Lopez	ZAVALA	HUGHES
Crew 2			0				COMARON
Crew 3			0				DEDESCO
Crew 4			3				
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
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 Shelters	✓	✓		✓	✓	✓	✓
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	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 Heads/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 Run / Safety Ropes	✓	✓		✓	✓	✓	✓

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

DAILY INSPECTIONS (Continued)

SCBA Checks	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	4500
SCBA 4 FF #2	4500				4500	* 4500	4500
RIC BAG	✓				✓	✓	✓

SCBA Air Pressure

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	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		✓	✓
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 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 118	I-RR 118
I = Inside	3rd Axle	O-LR 120	O-RR 120	O-LR 120
		I-LR 120	I-RR 120	I-RR 118

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 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:

GVFD - 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	LYLES	HUGHES	ENKES	HUGHES	ENKES	THORN	TRUCKS
Crew 2	ZAVALA	CONRAD	ZAVALA	CONRAD	CONRAD	MILLER	ZAVALA
Crew 3	BUCKEL	LOPEZ	YSLOS	LOPEZ	YSLOS	WILKSE	TOGESSIO
Crew 4							
Mileage:	1st and 16th	6927	6942	6946	6976	6990	7001
Engine Hrs:	1st and 15th	623	625	627	629	631	634
Aerial Hours	1st and 16th			228.9			
Generator Hours	1st and 16th			56.3			
Fuel Level: Capacity: 55 gallons	F	13/16	F	7/8	Full	7/8	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-Shift/Fire Shelter	✓	✓	✓	✓	✓	✓	✓
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	Full	Full	F
Foam Tank Level 30 gallons	F	Full	F	Full	Full	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/Slim Jim	✓	✓	✓	✓	✓	✓	✓
Snake Box/Pole	✓	✓	✓	✓	✓	✓	✓
Foam containers/Eductor	✓	✓	✓	✓	✓	✓	✓
SCBA/Spare Air Bottles	✓	✓	✓	✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)	✓	✓	✓	✓	✓	✓	✓
RIT Bag / Safety Ropes	✓	✓	✓	✓	✓	✓	✓

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

AIR BRAKE PRESSURE							
SCBA	Pressure	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.
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
SCBA 4 FF #2		4500	4500	4500		4500	4500
RIC BAG							

SPARE AIR BRAKE PRESSURE							
Spare	Pressure	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.
Spare 1		4000	4000	4000		4300	4500
Spare 2		4200	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

CHECKS		Sun.	Wed.
Check Fluids	Dates	6/19	
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/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		✓
Out 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
O = Outside		I-LR 120	I-RR 120	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

		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:	Initials:
Date:	Initials:

System / Component	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic 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			✓				
Booms and 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							
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			✓				
Leveling 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			✓				

GVFD - 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		PAVALA		PAVALA	CARRUTTA	CHARRA	O'Campo	HOYE
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 15th	6079	6080	6090	6098	6098	6098	6098
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		✓	✓	✓	✓	✓	✓	✓
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		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)		✓	✓	✓		✓	✓	✓
Medical 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		✓	✓	✓		✓	✓	✓
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		✓	✓	✓		✓	✓	✓

HYDRAULIC SYSTEMS							
	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 BUCKET SYSTEMS							
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			✓				
LEVELING SYSTEMS							
Functional Graphic Display Panel			✓				
Bucket Control Power			✓				
High Range / Creep Mode			✓				
Raise / Lower			✓				
Extend / Retract			✓				
Rotation R / L			✓				
Self Leveling System/Eng. 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 SYSTEMS							
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			✓				

GVFD - 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		FLUKES	Comaduro	FLUKES	VACANZA	FLUKES		Comaduro
Crew 2		ZAVALA		ZAVALA		ZAVALA		ZAVALA
Crew 3		TEDESCO		TEDESCO		TEDESCO		LOPEZ
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		3/4
Vehicle Maintenance								
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✓
Supra Key / RAD Detector		✓	✓	✓	✓	✓		✓
Thermal Camera (TIC) Batteries		✓	✓	✓	✓	✓		✓
Vehicle 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	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)								*✓
Medical Equipment								
Jump Bags (Airway/Trauma/Peds)		✓		✓	✓	✓		✓
O2 Level		1000		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 Jlm		✓	✓	✓	✓	✓		✓
Snake Box/Pole		✓	✓	✓	✓	✓		✓
Foam containers/Eductor		✓	✓	✓	✓	✓		✓
SCBA/Spare Air Bottles		✓	✓	✓	✓	✓		✓
Weekly SCBA Inspection (see pg. 2)							*	
RIT Bag / Safety Ropes		✓	✓	✓	✓	✓		✓

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

DRIVE INSPECTIONS 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							*	
VOICER MONITOR		4	4	4	4	4		

SPARE AIR BOTTLES							
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		4200+		4000	✓	4000	*

WEEKLY INSPECTIONS

Daily/Weekly Check Worksheet		Sun.	Wed.	10 Step Air-Brake Check		Tues.
Check Fluids	Engine Oil	6/12	6/16	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 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
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

Detailed Pump Check		Date	Sat.
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			

	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 Sawe-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 Checks							
Stabilization System - Bases	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				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 Ladder / 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				✓			

GVFD - 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	SAVALA		SAVALA	CARRAFO	CARRAFO	O'CAMPO	HOYE
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.							
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/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	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	✓	✓			✓	Q20	
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	Engineer	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1	Captain	4500	4000+			4000+	* 4500	4120m
SCBA 2	Engineer	4500					* 4500	
SCBA 3		4500	↓				* 4400	
SCBA 4	RF #2	4500					* 4400	
RIC BAG							*	
Valve, Airline		4	4			4		

SCBA/BOLES

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

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

Sun.	Wed.
6/5	
✓	
✓	
✓	
✓	
✓	
✓	
✓	
✓	
✓	
✓	
✓	
✓	
✓	

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
2nd Axle	O-LR 122	O-RR 122	O-LR
	I-LR 122	I-RR 122	I-LR
3rd Axle	O-LR 122	O-RR 122	O-LR
	I-LR 122	I-RR 122	I-LR

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	✓

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 Lift Inspection Log							
Stabilizer System - 2005	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 - 2005							
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			✓				
Platform Extension - 2005							
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

GVFD - 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	LYTUE	Hughes	Finkes	Hughes	Finkes	JOHNS	FINKES
Crew 2	ZAVALA	Corradino	ZAVALA	Corradino	Finkes	MILLER	ZAVALA
Crew 3	BICKEL	Lopez	YSLAB	Lopez	YSLAB	WAKSE	TRIGG
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
Code 3/Inspection/Personal 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-	✓/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)							
EMS 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	✓	-N	✓	✓	✓	✓	✓
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 CONTINUED

SCBA Cylinders	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							*	
Verica Emmentail 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	4500		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	Sun.	Wed.	Tues.
Check Fluids	6/19		
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 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			

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:

Weekly Aerial Inspection Check							
Stabilizer 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, 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			✓				
Aerial Extension for Ladder and 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			✓				

Message or damaged equipment. Please have your e-mail address.

[illegible]

GVFD - 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	MILLER	Hughes	MILLER	MILLER	ZAVARA	HOYE	ZAVARA
Crew 2				HOYE			
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			56.7			
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		✓	✓	✓		✓	✓
Air 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/scane		✓	✓	✓		✓	✓
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			Full	Full
Daily Pump Check		✓	✓			✓	✓
Detailed Pump Check (see pg. 2)							✓
EMS Equipment							
Jump Bags (Airway/Trauma/Peds)		✓	✓			✓	✓
O2 Level		1500	1500			1500	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/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							
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 - 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 Ladder Tower - Bates							
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							

GVFD - 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				HOIF		Comeduna	Zavala
Crew 2				HUGHES			
Crew 3				HOIF			
Crew 4				BECKEL			
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			
Car Controls/Instrument Panel/Equipment							
Warning Lights, Buzzers, etc.	✓		✓	✓	✓	✓	
Gauges & Instruments	✓		✓	✓	✓	✓	
Oil/Air Pressure	✓		✓	✓	✓	*✓	
Oil/Transmission Temp.	✓		✓	✓	✓	✓	
Coolant Temp.	✓		✓	✓	✓	✓	
Electrical: Volts/Amps	✓		✓	✓	✓	✓ 14.0	
Radios/Headsets/Cell Phone/Pager	✓		✓	✓	✓	✓ 11-1	
Clipboard/Paperwork/Maps/Passport	✓		✓	✓	✓	✓	
Safety Vest/Brush Shirts/Fire Shelter	✓		✓	✓	✓	✓	
Survivor Flashlights	✓		✓	✓	✓	✓	
Supra Key / RAD Detector	✓		✓	✓	✓	✓	
Thermal Camera (TIC) Batteries	✓		✓	✓	✓	✓	
Maintenance/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			1500	1650	1500	1600	
ECG Monitor	✓		✓	✓	✓	✓	
CEP Drug Box / RSI Drug Box	✓		✓	✓	✓	✓ PC	
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 phone on Ed)						✓	

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

SCBA CHECKS		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							*	

SPARE AIR BOTTLES		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	

CHECK FLUIDS		Sun.	Wed.
Engine Oil	7-3	✓	7/10
Transmission		✓	✓
Coolant		✓	✓
Brake/Air Pressure		✓	✓
Power Steering		✓	✓
Wiper Fluid		✓	✓

CHECK BATTERY		Sun.	Wed.
Battery		✓	✓
Belts/Hoses		✓	✓
Breather Valve/Transmission		✓	✓
Front Brakes & Lines		✓	✓
Rear Brakes and Lines		✓	✓
Suspension/Steering Components		✓	✓
Drive Line		✓	✓
Fluid Leaks/Note		✓	✓
Front/Rear Tire Wear/Tread		✓	✓

CHECK TIRE PRESSURES		LF	RF	LF	RF
All at 120	2nd Axle	O-LR	O-RR	O-LR 110	O-RR 110
		I-LR	I-RR	I-LR 110	I-RR 110
	3rd Axle	O-LR	O-RR	O-LR 110	O-RR 110
		I-LR	I-RR	I-LR 110	I-RR 110

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		

HYDRAULIC GENERATOR		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: 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 for 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				/			

GVFD - 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	MILLER	ZAVALA	MILLER	ZAVALA	MILLER	HOTE	MILLER
Crew 2				PAKES		COMANAR	
Crew 3				TEDESCO		LOPEZ	
Crew 4				BLAS			
Mileage: 1st and 15th	7019	7019		7019	7025	7048	7050
Engine Hrs: 1st and 15th	629	639		640	647	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
Code 3/1 Instrument Panel Equipment							
Warning Lights, Buzzers, etc.	✓	✓	✓	✓	✓	✓	✓
Gauges & Instruments	✓	✓	✓	✓	✓	✓	✓
Oil/Air Pressure	110/60	✓	110/80	✓	110/80	✓	OK
Oil/Transmission Temp.	✓	✓	✓	✓	✓	✓	✓
Coolant Temp.	✓	✓	✓	✓	✓	✓	✓
Electrical: Volts/Amps	✓	✓	✓	✓	✓	✓	✓
Radios/Headsets/Cell Phone/Pager	✓	✓	✓	✓	✓	✓	✓
Clipboard/Paperwork/Maps/Report	✓	✓	✓	✓	✓	✓	✓
Safety Vest/Brush Shift/Fire Shelter	✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights	✓	✓	✓	✓	✓	✓	✓
Supra Key / RAD Detector	✓	✓	✓	✓	✓	✓	✓
Thermal Camera (TIC) Batteries	✓	✓	✓	✓	✓	✓	✓
Monday Equipment 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	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/Chain	✓	✓	✓	✓	✓	✓	✓
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)	✓		✓	✓	✓	✓	✓

Daily Inspections Continued

SCBA #		Date	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1	Captain		4:00	4:50	4:00	4:00	4:00	*4:50	4:50
SCBA 2	Engineer		4:00	4:50	4:00	4:50	4:00	*	
SCBA 3	FF #1		4:50	4:00	4:00	4:00	4:50	*	
SCBA 4	FF #2		4:00		4:50	4:50	4:00	*	
RIC BAG			0			4		*	
Voice Emitters						4		(4)	4

Spare Air Boxes								
Spare 1	MISSING ↘ NOTRE-DEUR	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

VERLY INSPECTORS

Check Mechanical		Sun.	Wed.	Check Electrical		Tues.
Check Fluids	Dates	7/19	✓			
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		✓	✓			✓

						Portable Generator		✓
Check Tire Pressures		LF 115	RF 114	LF 120	RF 120	Fan's 1 and 2		✓
All at 120	2nd Axle	O-LR 115	O-RR 114	O-LR 120	O-RR 120	Circular Saw/Blades		✓
O = Outside	*	I-LR 114	I-RR 114	I-LR 120	I-RR 120	Chain Saw/Inspect Chain		✓
I = Inside	3rd Axle	O-LR 115	O-RR 115	O-LR 120	O-RR 120	Power plant-Rescue Tool		✓
	*	I-LR 114	I-RR 114	I-LR 120	I-RR 120	Spreaders (Cutters)		✓/✓

Performance		Maintenance	
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		WORKING - AS OF 7/11	

Performance		Maintenance	
Short ram	Long Ram		
Inspect Saws-all			
Refuel as Needed			✓
Check Maint. Tag			✓
		Thurs.	
Inspect Ladders/Halyards/Locks/etc.		✓	

Performance		Maintenance	
Perform Weekly SCBA Inspections (See Weekly SCBA Inspection Sheet)			
Date	07/15/11	Initials:	AK
Date:	07/15/11	Initials:	AK

WORKING- AS OF 7/10

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		✓
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: 07/15/11 Initials: JHB

GVFD - 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		Comeduran	Finkes	Comeduran	Miller	Miller	Comeduran	Miller
Crew 2		Macell	Shultz					
Crew 3		Lopez	Yslas		Christensen			
Crew 4								
Mileage:	1st and 15th	7104	7134	7168		7174	7174	7176
Engine Hrs:	1st and 15th	650	654	658		659	660	660
Aerial Hours	1st and 15th							23.7
Generator Hours	1st and 15th							
Fuel Level: Capacity: 65 gallons		3/8	F	Full		1/8	15/16	Full
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/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	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			
		7/2			Tues.			
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 124	RF 124	LF 124	RF 124			
All at 120	2nd Axle	O-LR 126	O-RR 120	O-LR	O-RR	Hydraulic Generator	Mon.	Thurs.
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 129	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.		
Engine RPM			✓	Inspect Saws-all	
Temperature			✓	Refuel as Needed	
Fuel			✓	Check Maint. Tag	
Check Pump Volt/Amps			✓		Thurs.
Inspect/Operate Drain Valves			✓	Inspect Ladders/Halyards/Locks/etc.	
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

Weekly Safety Inspection Report							
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 Power			✓				
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			✓				

GVFD - 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		MILLER	Comeduro	SAVALA	Comeduro		MILLER
Crew 2							
Crew 3							
Crew 4							
Mileage: 1st and 15th		7176	7176	7180	7185		7186
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
General Equipment							
Warning Lights, Buzzers, etc.		✓	✓	✓	✓		✓
Gauges & Instruments		✓	✓	✓	✓		✓
Oil/Air Pressure *		* 110/50	* ✓	✓	* ✓		60/45
Oil/Transmission Temp.		✓	✓	✓	✓		✓
Coolant Temp.		✓	✓	✓	✓		✓
Electrical: Volts/Amps		✓	✓	✓	✓		✓
Radios/Headsets/Cat Phone/Pager		✓	✓	✓	✓		✓
Clipboard/Paperwork/Maps/Passport		✓	✓	✓	✓		✓
Safety Vest/Brown Shoes/Fire Shelter		✓	✓	✓	✓		✓
Survivor Flashlights		✓ x 4	✓ x 4	4	✓ x 4		✓ x 4
Supra Key / RAC 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	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/Slime		✓	✓	✓	✓		✓
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)							

60/45

FIRE Equipment Continued

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

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

Daily Inspections Continued

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	* 4500	4500
SCBA 3 FF #1			4400	4400	4500	4400	* 4500	4500
SCBA 4 FF #2			4000	4000	4000	4000	* 4500	4500
RIC BAG							*	
VOICE EMERGENCY								
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	4500
Spare 5			4500	4500	4500	4500	* 4500	4500
Spare 6			4500	4500	4500	4500	* 4500	4500

WEEKLY INSPECTIONS

Check Fluids

Check Fluids	Dates	Sun.	Wed.
Engine Oil			7-21
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

All at 120	2nd Axle	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	
	3rd Axle	O-LR	O-RR	O-LR 120	O-RR 120
	I-LR	I-RR	I-LR 120	I-RR 120	

Check gauges:

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

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 <u>cutters</u>	✓	✓
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 - 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							
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 Aerial 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				✓			

GVFD - Daily Vehicle Check: Tower 151

Revised: 4/4/2010

Month/Year: July / Aug 2010

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
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Crew 1	John/wh	MILLER	Conrad	MILLER	Conrad	Zach	Michael
Crew 2							
Crew 3							
Crew 4							
Mileage:	1st and 15th	7197	7196	7197	7197	7197	7198
Engine Hrs:	1st and 15th	663	664	665	665	665	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
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 Shells		✓	✓	✓	✓	✓	✓
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
Foam tank Level 30 gallons		✓	Full	Full	Full	Full	Full
Daily Pump Check		✓	✓	✓	✓	✓	✓
Detailed Pump Check (see pg. 2)							✓
EMS Equipment							
Jump Bags(Airway/Trauma/Peds)		✓	✓	✓	✓	✓	✓
O2 Level		1200	1200	1200	1200	1200	1200
ECG Monitor (Weekly Detail Check)				✓	✓	✓	✓
CEP Drug Box / RSI Drug Box		✓	✓	✓	✓	✓	✓
Suction Unit		✓	✓	✓	✓	✓	✓
Miscellaneous Supplies		✓	✓	✓	✓	✓	✓
Drinking Water		✓	✓	✓	✓	✓	✓
Fire Equipment							
Hand Tools/Misc. and Appliances		✓	✓	✓	✓	✓	✓
Engineers Headset/Flashlights		✓	✓	✓	✓	✓	✓
Portable Extinguishers(ABC/PW)		✓	✓	✓	✓	✓	✓
Power Tools / Fuel Cans		✓	✓	✓	✓	✓	✓
Run Power Tools (see back)		✓	✓	✓	✓	✓	✓
Tool Bag/Tools/Supply		✓	✓	✓	✓	✓	✓
Snake Box/Pole		✓	✓	✓	✓	✓	✓
Foam containers/Eductor		✓	✓	✓	✓	✓	✓
SCBA/Spare Air Bottles		✓	✓	✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)		✓	✓	✓	✓	✓	✓
RFF Bag / Safety Ropes		✓	✓	✓	✓	✓	✓
Air/Gas Monitor (check charge on ECU)		✓	✓	✓	✓	✓	✓

FIRE Equipment continued

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

✓		✓	✓		✓	✓
✓		✓	✓		✓	✓
✓		✓	✓			✓
—		—	—			pl

Daily Inspection continued

SCBA Checks	Dates	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain		4500	4500	4500	4500		* 4500	4500
SCBA 2 Engineer		006	4500	4500	4500		* 4500	4500
SCBA 3 FF #1		4200	4200	4500	4500		* 4500	4500
SCBA 4 FF #2		4500	4300	4500	4600		* 4500	4500
RIC BAG		—					*	
Valve/Line/Tools		4	4	4	4			

SPARE AIR BOTTLES

Spare 1	4200	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	4200	4200	4500	4500	4500	* 4500	4500
Spare 6	4500	4500	4500	4500	4500	* 4500	4500

Station 4100

WEEKLY INSPECTIONS

Check Fluids	Dates	Sun.	Wed.
Engine Oil	07-31	✓	
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		✓	
Ok Suspension/Steering Components		✓	
Check Drive Line		✓	
Check for any Fluid Leaks/Note		✓	
Check Front/Rear Tire Wear/Tread		✓	

					Portable Generator	✓	✓				
Check Tire Pressures					LF 120	RF 120	LF 12	RF	Fan's 1 and 2	✓	✓
All at 120	2nd Axle	O-LR	120	O-RR	120	O-LR	O-RR	Circular Saw/Blades	✓	✓	
		I-LR	120	I-RR	120	I-LR	I-RR	Chain Saw/Inspect Chain	✓	✓	
O = Outside	3rd Axle	O-LR	120	O-RR	120	O-LR	O-RR	Power plant-Rescue Tool	✓	✓	
I = Inside		I-LR	120	I-RR	120	I-LR	I-RR	Spreaders- Cutters	✓	✓	

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.		✓

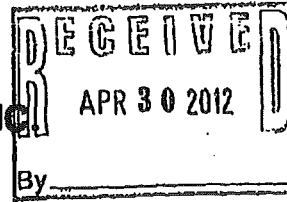
Perform Weekly SCBA Inspections	Date:	Initials:
(See Weekly SCBA Inspection Sheet)		
Date:		Initials:
Date:		Initials:

8-6-11
 front air @ 50 PSI

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			✓				
Boom 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			✓				
6 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:
GREEN VALLEY FIRE
ATTN: CHUCK WUNDER

TUCSON, AZ 857 -
Home: (0)
Work: (520)940-4567

Vehicle Information:
#3140 / SUTPHEN
SPH-100 LADDER TRUCK

Color: **Paint Code:**
Miles: **Lic.**
VIN: SER# HS-4596 **Prod Date:**

Insurance Information:
Contact: **DOL:** **Phone:**
Policy: **Deductible: 5000.00** **Fax:**
Claim:

S	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 - 2,731.41
 6425 - 4,905.00

Approved K3
 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 520-863-5788
TAX ID# 88-0930360

Job Invoice

15226 Prepared On: 2/28/12

Printed: 04/30/12 09:47:04

Customer Information:

GREEN VALLEY FIRE
ATTN: CHUCK WUNDER

TUCSON, AZ 857 -

Home: (0)

Work: (520)940-4567

By: Marty

Page 1

Vehicle Information:

#3140 / SUTPHEN

SPH-100 LADDER TRUCK

PO# 12-70184

Color:

Paint Code

Miles:

Lic:

VIN: SER# HS-4596

Prod Date:

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	639.60	Body	8.0			
	Remove/Replace	LT REAR LOWER MARKER LIGHT AND WIRING AS NEEDED	New	73.85	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 PANEL	New	284.99	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		8.0	
	Remove/Replace	REAR LT LOWER ALUM. TREADPLATE	New	837.94	Body	4.0			
	Remove/Replace	REAR LT TAIL LIGHT GUARD	New	86.87	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							

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:

GREEN VALLEY FIRE
ATTN: CHUCK WUNDER

TUCSON, AZ 857 -

Home: (0)

Work: (520)940-4567

Vehicle Information:

#3140 / SUTPHEN
SPH-100 LADDER TRUCK

Color:

Paint Code:

Miles:

Lic:

VIN: SER# HS-4596

Prod Date:

Insurance Information:

Contact:

DOL:

Phone:

Policy:

Deductible:

Fax:

Claim:

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# 104654	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	88.87	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
2/1/12
CK# 14426

ARIZONA BYWAYS INC.
 4444 E. TENNESSEE ST.
 TUCSON, AZ. 85714
 520-663-0061 FX 520-663-5788
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Contact:

Policy:

DOL:

Deductible:

Phone:

Fax:

Claim:

S	Op	Description	Type	Price	Type	Labor	Add1	Paint	Add1
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:									
Adjustments:				0.00					
Customer Pay Items:				0.00					
Total Customer Pay:				0.00					
Net Total				12636.61					

*owe \$7,636.61
 when job is done.*

*let's
 vehicle maint.*

CAT. #
IV

REPORT OF INSPECTION

CUSTOMER GREEN VALLEY

LOCATION 250 N. LA CANADA DRIVE, GREEN VALLEY, AZ

INSPECTOR ROBERT BROWNING

MANUFACTURER SUTPHEN

MODEL NO. SPH-100 TYPE Alum. Tower Platf.

SERIAL NO. HS-4596 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

GREEN VALLEY-P-431-S-915462-U-3140 L151

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 GREEN VALLEY 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:

GREEN VALLEY

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 85069, Phoenix, Arizona 85069, (800) 992-1111

OPERATIONAL TEST / LOAD TEST / DRIFT TESTCustomer GREEN VALLEY 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>88.6'</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	<u>0.000" (1/2")</u>	Front Curbside	<u>0.000"</u>
	Rear Streetside	<u>0.000"</u>	Rear Curbside	<u>0.000"</u>

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.



Diversified Inspections, Inc./ITL

Post Office Box 85069, Phoenix, Arizona 85069, (800) 346-6890

AREA OF COVERAGE

Customer GREEN VALLEY Unit # LADDER 151 (3140) Date 8/23/2011

ULTRASONIC INSPECTION

Kind of U.T. Machine PANAMETRICS Transducer MHz. 5

MAGNETIC PARTICLE TEST

Type of MT Machine PARKER CONTOUR Amps. 6 DC or AC

DYE PENETRANT TEST

Name of Penetrant	<u>N/A</u>	Cleaner Batch#	<u>N/A</u>	Temperature	<u>100</u>	°F
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>	

HARDNESS TEST

Type of Hardness Tester BARBER C. Lowest Acceptable Reading 72-85

AREA OF COVERAGE

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. HARDNESS READINGS TAKEN AT 12 INCH INTERVALS AT HAND AND BASRAILS.

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 CONDUCTED 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 **GREEN VALLEY**

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 ROTATION LOCK				3-3.25 UNIT MAIN FRAME			
B. Spring/Shocks	X			A. External Fluid Leakage		X		A. Frame Condition	X		
C. Spring Shackles	X			B. Operation Elevating Lock		X		B. NDT Inspection	X		
D. Suspension	X			C. Operation Extension Lock		X		3-3.28 TRANSMISSION/AERIAL INTERLOCKS OPERATION	X		
E. Main Frame	X			D. Operation Rotation Lock		X					
F. Hydraulics	X							3-3.27 ENGINE SPEED INTERLOCKS	X		
G. Other			X	3-3.9 HYDRAULIC OIL Results to be mailed back	X			3-3.28 BREATHING AIR SYSTEMS			
3-2 SERVICE RECORDS CHECKED	X			3-3.10 POWER TAKEOFF				A. Proper Installation	X		
3-3 TURNTABLE/TORQUE BOX	X			A. Fluid Leakage	X			B. Mounting Brackets	X		
3-3.1 ROTATION BEARING MOUNTING BOLTS				B. Proper Operation	X			C. NDT Mounting Welds	X		
A. Proper Grade	X			3-3.11 HYDRAULIC PUMP				D. Proper Air Pressure	X		
B. Bolt Torque	X			A. External Fluid Leakage	X			3-4 STABILIZER TEST	X		
C. NDT Accessible Bolts	X			3-3.12 COLLECTOR RINGS				3-4.1 STABILIZER STRUCTURAL			
3-3.2 TORQUE BOX MOUNTING TO FRAME				A. Foreign Material		X		A. Weld Condition	X		
A. Proper Grade/Installation	X			B. Ring Condition		X		B. NDT Welds	X		
B. Bolt Torque			X	C. Proper Operation		X		3-4.2 STABILIZER PADS			
C. NDT Accessible Bolts			X	3-3.17 OPERATING CONTROLS				A. Pads Present	X		
D. NDT Accessible Welds			X	A. Missing, Damaged, Control Handles Identification, Fluid Leakage	X			B. Proper Construction	X		
3-3.3 ROTATION GEAR/BEARING				B. Operation/Return to Neutral	X			C. Proper Condition	X		
A. Rotation Gear-Missing, Damaged, Misalignment, Lubrication	X			3-3.18 LOAD LIMIT INDICATORS				3-4.3 STABILIZER MOUNTING			
B. Record Inner Bearing to Outer Bearing Clearance 0.005	X			3-3.19 EMERGENCY HANDCRANK CONTROLS			X	A. Mounting Condition	X		
3-3.4 ROTATION GEAR REDUCTION BOX MOUNTING				3-3.20 AUXILIARY HYDRAULIC POWER				B. Proper Bolt Grade	X		
A. Proper/Bolt Grade/Installation	X			3-3.21 TURNTABLE ALIGNMENT INDICATOR				C. Proper Bolt Torque	X		
B. Bolt Torque	X			3-3.22 THROTTLE CONTROL				D. NDT of Bolts	X		
C. Weld Inspection	X			A. Operation	X			3-4.4 HYDRAULIC LINES/HOSES			
D. NDT Bolts			X	B. Operation RPM 1400	X			A. Condition	X		
3-3.5 TURNTABLE STRUCTURAL COMPONENTS				3-3.23 COMMUNICATIONS SYSTEM				B. Leakage	X		
A. Weld Condition	X			A. Proper Installation	X			3-4.5 STABILIZER INTERLOCK WARNING DEVICES	X		
B. NDT Structural	X			B. Proper Operation	X			3-4.6 STABILIZER EXTENSION CYLINDER PIN			
3-3.6 ROTATION HYDRAULIC SWIVEL		X		3-3.24 RELIEF HYDRAULIC PRESSURE				A. Proper Installation, Operation	X		
3-3.7 HYDRAULIC HOSES IN TURNTABLE	X							B. Lubrication, Retention	X		
								C. NDT Pins	X		
								3-4.7 STABILIZER EXTENSION CYLINDER			
								A. Cylinder Rod	X		
								B. Cylinder Rod to Barrel Seal	X		

Diversified Inspections, Inc./ITL

VISUAL INSPECTION REPORT
ELEVATING PLATFORMS
PAGE 2

Customer GREEN VALLEY

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)			
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				C.	Leakage	X		
					A.	Identification/Warning	X							
3-4.11	POSITIVE STOP/ALIGNMENT				B.	Operation/Return to Neutral	X			3-6.9	HYDRAULIC LINES KNUCKLES			
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			
										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			
										A.	Welds, Dents, Bends	X		
3-5.1	PLATFORM MOUNTING BRACKETS				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			3-6.2	LOWER BOOM ELEVATION CYLINDER EARS				3-6.14	PNEUMATIC/ELECTRIC LINES			
3-5.2	PLATFORM				A.	Welds	X			A.	Mounting	X		
A.	Weld Condition	X			B.	NDT Ears, Plates	X			B.	Wear	X		
B.	NDT Welds	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	X			3-7.1	UPPER BOOM ALIGNMENT WITH LOWER BOOM			X
B.	Wear	X			B.	Cylinder Rod to Barrel End Gloved Seal	X							
					C.	Drift Test	X			3-7.2	PLATFORM LEVELING LINKAGE			
3-5.4	AUXILIARY WINCH MOUNTING				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			X
E.	NDT Welds			X	C.	NDT Welds	X			B.	NDT Welds			X
3-5.5	WINCH CONTROLS				D.	Hardness Reading Nonferrous Material	X			3-7.4	BOOM BOOST CYLINDER			
A.	Proper Identification			X	3-6.6	CYLINDER LINK PINS			X	A.	Fluid Leakage			X
B.	Operation			X	A.	Installation/Lubrication/ Operation	X			3-7.5	CYLINDER LINK PINS			
3-5.6	PLATFORM LOAD CAPACITY IDENTIFICATION			X	B.	NDT Pins	X			A.	Proper Installation			X

**VISUAL INSPECTION REPORT
ELEVATING PLATFORMS
PAGE 2**

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				
A.	Welds, Dents, Bends			X	A.	Welds	X							
B.	Fasteners			X	B.	Mounting	X							
C.	NDT Welds			X										
D.	Hardness Test, Nonferrous Material			X	3-8.3 GUIDES, WEAR STRIPS, PADS, SLIDE BLOCKS					3-12 WATER SYSTEM TEST				
				X	A.	Installation	X							
				X	B.	Wear	X							
3-7.7 HYDRAULIC LINES/HOSES					3-8.4 EXTENSION SLEEVES					3-12.1 WATER WAY SYSTEM				
A.	Mounting			X	A.	Proper Mounting/Wear	X				A.	Operation		
B.	Wear			X	B.	NDT Welds	X				B.	Rust/Corrosion		
C.	Leakage			X	C.	NDT Retaining Bolt	X				C.	Blockage		
3-7.8 CABLES, CHAIN, RODS					3-8.5 EXTENSION CABLES					3-12.2 WATER WAY ATTACHMENT				
A.	Wear			X			X				A.	Bolts, Welds	X	
B.	Adjustments			X							B.	NDT Welds	X	
3-7.9 SPROCKETS, PULLEYS, HOOKS					3-8.6 ELEVATION INDICATOR					3-12.3 PRESSURE TEST				
A.	Lubrication			X			X							
B.	Wear			X	3-8.7 MAXIMUM EXTENSION WARNING DEVICE					3-12.3.1 TELESCOPING BOOMS				
C.	Operations			X					X		A.	Refraction Leak Test		
3-7.10 UPPER BOOM HOLD DOWN DEVICE					3-8.8 PLATFORM LEVELING CYLINDERS					3-12.3.2 ARTICULATING BOOM				
A.	Proper Operation			X	A.	Cylinder Rod	X				A.	Pressure Test		
B.	NDT Welds			X	B.	Cylinder Rod to Barrel Seal	X				B.	Leaks		
3-7.11 SAFETY STOP MECHANISM					3-8.9 HYDRAULIC LINES/HOSES IN BOOM					3-12.3.3 TELESCOPING/ ARTICULATING BOOM				
				X	A.	Leakage	X				A.	Refraction Leak Test		
3-7.12 ELEVATION CYLINDER EARS/PLATES					3-8.10 EXTENSION CYLINDER ANCHOR EARS/PLATES					3-12.3.4 WATER WAY OPERATION				
A.	Welds			X	A.	Welds	X							
B.	NDT Ears/Plates			X	B.	NDT Welds	X				A.	Flow Meter Accuracy		
3-7.13 UPPER BOOM ELEVATION CYLINDERS					3-8.11 EXTENSION CYLINDER PINS					3-12.5 WATER PRESSURE GAUGE				
A.	Cylinder Rod			X	A.	Proper Installation/ Retention	X				A.	150 PSI		
B.	Cylinder Rod to Barrel Seam			X	B.	NDT Pins	X				B.	200 PSI		
C.	Drift Test			X							C.	250 PSI		
3-7.14 HOLDING VALVES					3-8.12 EXTENSION CYLINDER					3-12.6 RELIEF VALVE				
				X	A.	Cylinder Rod	X							
3-7.15 PNEUMATIC/ELECTRICAL LINES					3-8.13 HOLDING VALVES					3-13 SIGNS				
A.	Mounting			X	A.	Cylinder Rod	X							
B.	Wear			X	B.	Cylinder Rod to Barrel Seal	X							
3-8 TELESCOPING BOOM TEST					3-8.14 PNEUMATIC/ELECTRICAL LINES					3-14 RECORDS				
		X					X				A.	Bolt Torque	X	
3-8.1 BOOM ASSEMBLIES					3-8.13 HOLDING VALVES					3-14 RECORDS				
A.	Welds, Dents, Bends	X					X				B.	NDT	X	
B.	Fasteners	X			3-8.14 PNEUMATIC/ELECTRICAL LINES					3-14 RECORDS				
							X				C.	Various Measurements	X	



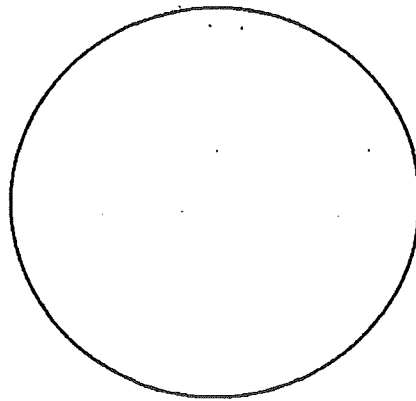
Diversified Inspections, Inc./ITL

TORQUE DATA SHEET

Customer GREEN VALLEY Unit # LADDER 151 (3140) Date 8/23/2011

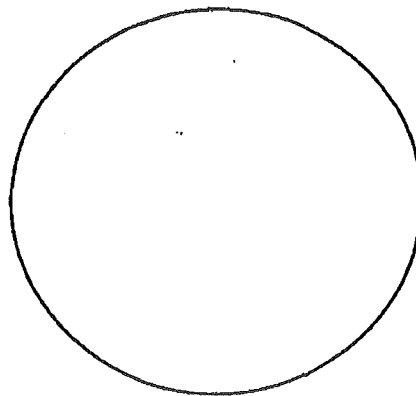
TOP TURNTABLE BEARING ATTACHMENT BOLTS:

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 @ 550-600

T = TORQUE

⊕ = UNACCESSABLE BOLTS

**Diversified Inspections, Inc./ITL**

Post Office Box 85089, Phoenix, Arizona 85089, (800) 992-1111

SUMMARY OF TEST

Customer GREEN VALLEY
Unit # LADDER 151 (3140) Date 8/23/2011 Year of Manufacture 2009
Manufacturer SUTPHEN *Unit Defect Category # IV
Model # SPH-100 Serial # HS-4596 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 GREEN VALLEY

UNIT NO. LADDER 151 (3140)

DATE 8/23/2011

DISCREPANCY SUMMARY

(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./TTL ("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

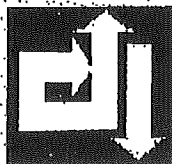
Certified Report of Mechanical, Nondestructive Tests, And Specifications Conformance

Unit No. Ladder 151 (3140) *Model:* SPH-100
Serial No. HS-4596 *Date Tested:* 8/23/2011
Owner/Operator: Green Valley Fire District
Address: 1285 W. Camino Encanto Green Valley, AZ 85614

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 Green Valley, AZ by Diversified Inspections/ITL.

Inspector: Robert Browning *Date:* 8/30/2011



Diversified Inspections/ITL
Post Office Box 39669
Phoenix, AZ 85069, (602) 995-5800

**REPORT
OF
INSPECTION**

CUSTOMER GREEN VALLEY FIRE DISTRICT

LOCATION 250 N. LA PINATA DRIVE, GREEN VALLEY, AZ

INSPECTOR ROBERT BROWNING

MANUFACTURER SUTPHEN

MODEL NO. SPH-100 TELESCOPING MM **TYPE** ALUM. PLAT.

SERIAL NO. HS-4596 **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 85089, Phoenix, Arizona 85089, (800) 992-1111

OPERATIONAL TEST / LOAD TEST / DRIFT TESTCustomer GREEN VALLEY FIRE DISTRICT 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 AllowStability Test Load 1000 lbs.

**Diversified Inspections, Inc./ITL**

Post Office Box 85089, Phoenix, Arizona 85089, (800) 346-8890

AREA OF COVERAGECustomer GREEN VALLEY FIRE DISTRICT Unit # UNIT 3140 Date 8/20/10**ULTRASONIC INSPECTION**Kind of U.T. Machine PANAMETRICS Transducer MHz. 5**MAGNETIC PARTICLE TEST**Type of MT Machine PARKER CONTOUR Amps. 6 DC or AC**DYE PENETRANT TEST**

Name of Penetrant	<u>N/A</u>	Cleaner Batch#	<u>N/A</u>	Temperature	<u>80</u>
Penetrant Batch #	<u>N/A</u>	Penetrant Dwell Time	<u>N/A</u>	Developer Batch #	
				Developer Dwell Time	

HARDNESS TESTType of Hardness Tester BARBER C. Lowest Acceptable Reading 72-85**AREA OF COVERAGE**

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 CODUCTED AT KEY WELDS, PINS, AND BOLTS.

UT = Ultrasonics MT = Magnetic Particle PT = Liquid Penetrant

(IT) = 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 TESTCustomer **GREEN VALLEY FIRE DISTRICT**Unit # **UNIT 3140** Date **9/20/10** Year of Manufacture **2009**Manufacturer **SUTPHEN** *Unit Defect Category # **II**Model # **SPH-100 TELESCOPING MM** Serial # **HS-4598** Aerial Hours **163**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.staveltyfa.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
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- V. No Defects Noted at Time of Inspection

Defects Noted on Defect Page

3.3
m.p.h.

air 



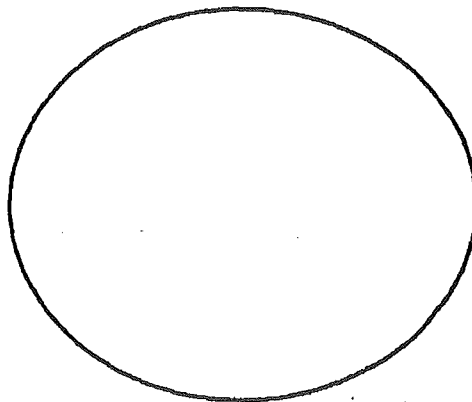
Diversified Inspections, Inc./ITL

TORQUE DATA SHEET

Customer GREEN VALLEY FIRE DISTRICT Unit # UNIT 3140 Date 9/20/10

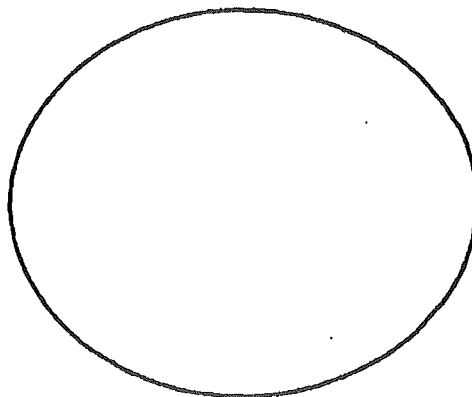
TOP TURNTABLE BEARING ATTACHMENT BOLTS:

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 @ 550-80

T = TORQUE

 = UNACCESSABLE BOLTS



ner GREEN VALLEY FIRE DISTRICT

Unit # UNIT 3140

	A	R	N		A	R	N		A	R
HOLDING VALVES	X			3-5.7	PLATFORM GATES LATCHES	X		3-6.7	PLATFORM LEVELING LINKAGES	X
EXTENSION CYLINDERS				A.	Proper Alignment	X		A.	Welds, Dents, Bends	X
				B.	Operation	X		B.	NDT Welds	X
OPERATING CONTROLS								C.	NDT Pins	X
Operation/Return to				3-5.8	PLATFORM HINGE PIN			3-6.8	HYDRAULIC LINES, HOSES	
Neutral	X			A.	Proper Installation/		X	(LOWER BOOM)		
Leakage	X			B.	Lubrication		X	A.	Mounting	X
DIVERTER VALVE					NDT Rings Pins			B.	Wear	X
LEAKAGE	X			3-5.9	PLATFORM CONTROLS	X		C.	Leakage	X
				A.	Identification/Warning			3-6.9	HYDRAULIC LINES KNUCKLES	
POSITIVE STOP/ALIGNMENT				B.	Operation/Return to	X		A.	Fluid Leakage	X
Proper Operation	X			C.	Neutral	X		B.	Wear	X
					Lower Control Override					
STABILIZER DEPLOYMENT				3-6.10	UNAUTHORIZED MODIFICATIONS OF	X		3-6.10	CHAINS, CABLES, PADS	
(See Operation Page)	X			ADDED WEIGHT			A.	Wear	X	
MANUAL SPRING LOCK				3-5.11	PLATFORM MONITOR/NOZZLE	X		B.	Adjustment	X
Condition			X	A.	Operation	X		3-6.11	SPROCKETS, PULLEYS, HOOKS	
Operation			X	B.	Welds	X		A.	Lubrication	
TRACTOR SPRING								B.	Wear	
LOCKOUT OPERATION			X	3-6.12	BOOM ILLUMINATION	X		C.	Operation	
ELEVATING PLATFORM/				3-6	ARTICULATING BOOM/	X		3-6.12	BOOM SUPPORT	X
BOOM TEST	X				LOWER BOOM TEST			A.	Welds, Dents, Bends	X
PLATFORM MOUNTING BRACKETS				3-6.1	HINGE PINS	X		B.	NDT Welds	X
Welds	X			A.	Installation	X		3-6.13	LOWER BOOM ANGLE	
NDT Welds	X			B.	NDT Pins	X		INDICATOR LIGHTS	X	
NDT Pins/Bolts	X									
PLATFORM				3-6.2	LOWER BOOM ELEVATION			3-6.14	PNEUMATIC/ELECTRIC LINES	
Weld Condition	X			A.	CYLINDER EARS	X		A.	Mounting	X
NDT Welds	X			B.	Welds	X		B.	Wear	X
					NDT Ears, Plates			C.	Kinks	X
HYDRAULIC/PNEUMATIC/				3-6.3	LOWER BOOM ELEVATING CYLINDER	X		3-7	ARTICULATING BOOM/	
ELECTRICAL LINES				A.	Cylinder Rod			UPPER BOOM TEST		
Mounting	X			B.	Cylinder Rod to Barrel End	X		3-7.1	UPPER BOOM ALIGNMENT	
Wear	X			C.	Gloved Seal	X		WITH LOWER BOOM		
					Drift Test					
AUXILIARY WINCH MOUNTING				3-6.4	HOLDING VALVES	X		3-7.2	PLATFORM LEVELING LINKAGE	
Mounting Bolts/Grade/			X					A.	Welds, Dents, Bends	
Installation			X	3-6.5	BOOM ASSEMBLY	X		B.	NDT Welds	
Bolt Torque			X	A.	Welds, Dents, Bends	X		C.	NDT Pins	
Welds			X	B.	Fasteners	X		3-7.3	BOOM BOOST CYLINDER BRACKETS	
NDT Bolts			X	C.	NDT Welds	X		A.	Welds, Dents, Bends	
NDT Welds			X	D.	Hardness Reading Nonferrous	X		B.	NDT Welds	
					Material					
WINCH CONTROLS				3-6.6	CYLINDER LINK PINS	X		3-7.4	BOOM BOOST CYLINDER	
Proper Identification			X	A.	Installation/Lubrication/			A.	Fluid Leakage	
Operation			X		Operation	X		3-7.5	CYLINDER LINK PINS	
PLATFORM LOAD CAPACITY				B.	NDT Pins	X		A.	Proper Installation	
IDENTIFICATION			X							



per

GREEN VALLEY FIRE DISTRICT

Unit # UNIT 3140

	A	R	N		A	R	N		A	R
1. Lubrication operation NDT Pins			X	3-8.1 Cont.	X			3-8.14 Cont.		
			X	C. NDT Welds				A. Proper Mounting	X	
			X	D. Hardness Test, Nonferrous Material	X			B. Wear/Abrasions	X	
BOOM ASSEMBLY				3-8.2				3-9		
Welds, Dents, Bends			X	A. Ancillary Boom Ladder	X			OPERATION TEST THROUGH		
Fasteners			X	B. Welds	X			LOAD TEST 3-11.8	X	
NDT Welds			X	B. Mounting	X			See Operation Test Pages		
Hardness Test, Nonferrous Material			X	3-8.3				3-12		
HYDRAULIC LINES/HOSES				GUIDES, WEAR STRIPS, PADS, SLIDE BLOCKS				WATER SYSTEM TEST		
Mounting			X	A. Installation	X			3-12.1		
Wear			X	B. Wear	X			WATER WAY SYSTEM		
Leakage			X	3-8.4				A. Operation		
CABLES, CHAIN, RODS				EXTENSION SLEEVES	X			B. Rust/Corrosion		
Wear			X	A. Proper Mounting/Wear	X			C. Blockage		
Adjustments			X	B. NDT Welds	X			3-12.2		
SPROCKETS, PULLEYS, HOOKS				C. NDT Retaining Bolt	X			WATER WAY ATTACHMENT		
Lubrication			X	3-8.5				A. Bolts, Welds	X	
Wear			X	EXTENSION CABLES	X			B. NDT Welds	X	
Operations			X	3-8.6				3-12.3		
UPPER BOOM				ELEVATION INDICATOR	X			PRESSURE TEST		
HOLD DOWN DEVICE			X	3-8.7				3-12.3.1		
Proper Operation			X	MAXIMUM EXTENSION WARNING DEVICE		X		A. Refraction Leak Test		
NDT Welds			X	3-8.8				B. Extension Leak Test		
SAFETY STOP MECHANISM			X	PLATFORM LEVELING CYLINDERS	X			3-12.3.2		
ELEVATION CYLINDER EARS/PLATES				A. Cylinder Rod	X			A. Pressure Test		
Welds			X	B. Cylinder Rod to Barrel Seal	X			B. Leaks		
NDT Ears/Plates			X	C. Proper Installation	X			3-12.3.3		
UPPER BOOM ELEVATION CYLINDERS				D. NDT Welds	X			TELESCOPING/ARTICULATING BOOM		
Cylinder Rod			X	E. NDT Pins	X			A. Refraction Leak Test		
Cylinder Rod to Barrel Seam			X	3-8.9				B. Extension Leak Test		
Drift Test			X	HYDRAULIC LINES/HOSES IN BOOM	X			C. Pressure Test		
HOLDING VALVES			X	A. Leakage	X			D. Leaks		
PNEUMATIC/ELECTRICAL LINES				B. Wear	X			3-12.3.4		
Mounting			X	3-8.10				WATER WAY OPERATION		
Wear			X	EXTENSION CYLINDER ANCHOR EARS/PLATES	X			3-12.4		
TELESCOPING BOOM TEST	X			A. Welds	X			FLOW METER Accuracy		
BOOM ASSEMBLIES	X			B. NDT Welds	X			3-12.5		
Welds, Dents, Bends	X			3-8.11				WATER PRESSURE GAUGE		
Fasteners	X			EXTENSION CYLINDER PINS	X			A. 150 PSI		
				A. Proper Installation/Retention	X			B. 200 PSI		
				B. NDT Pins	X			C. 250 PSI		
				3-8.12				3-12.6		
				EXTENSION CYLINDER	X			RELIEF VALVE		
				A. Cylinder Rod	X			3-13		
				B. Cylinder Rod to Barrel Seal	X			SIGNS	X	
				C. Drift Test	X			3-14		
				3-8.13				RECORDS		
				HOLDING VALVES	X			A. Bolt Torque	X	
				3-8.14				B. NDT	X	
				PNEUMATIC/ELECTRICAL LINES	X			C. Various Measurements	X	



VISUAL INSPECTION REF
ELEVATING PLATFO
PA

GREEN VALLEY FIRE DISTRICT

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	N	
ISIS	X			3-3.8	ELEVATION, EXTENSION ROTATION LOCK			3-3.25	UNIT MAIN FRAME			
Aide "U" Bolts	X				External Fluid Leakage		X		Frame Condition	X		
Spring/Shocks	X			A.	Operation Elevating Lock		X		NDT Inspection	X		
Spring Shackles	X			B.	Operation Extension Lock		X					
Suspension		X		C.	Operation Rotation Lock		X		3-3.26	TRANSMISSION/AERIAL INTERLOCKS OPERATION	X	
Main Frame	X			D.								
Hydraulics	X			3-3.9	HYDRAULIC OIL			3-3.27	ENGINE SPEED INTERLOCKS			
Other			X	Results to be mailed back	X					X		
SERVICE RECORDS CHECKED	X			3-3.10	POWER TAKEOFF			3-3.28	BREATHING AIR SYSTEMS			
TURNTABLE/TORQUE BOX	X			A.	Fluid Leakage	X			Proper Installation	X		
ROTATION BEARING MOUNTING BOLTS				B.	Proper Operation	X			Mounting Brackets	X		
Proper Grade	X			3-3.11	HYDRAULIC PUMP				NDT Mounting Welds	X		
Bolt Torque	X			A.	External Fluid Leakage	X			Proper Air Pressure	X		
NDT Accessible Bolts	X			3-3.12	COLLECTOR RINGS			3-4	STABILIZER TEST	X		
TORQUE BOX MOUNTING TO FRAME				A.	Foreign Material		X	3-4.1	STABILIZER STRUCTURAL			
Proper Grade/Installation	X			B.	Ring Condition		X	A.	Weld Condition	X		
Bolt Torque			X	C	Proper Operation		X	B.	NDT Welds	X		
NDT Accessible Bolts			X	3-3.17	OPERATING CONTROLS			3-4.2	STABILIZER PADS			
NDT Accessible Welds			X	A.	Missing, Damaged, Control Handles			A.	Pads Present	X		
ROTATION GEAR/BEARING				B.	Identification, Fluid Leakage	X			Proper Construction	X		
Rotation Gear-				Neutral	Operation/Return to	X			Proper Condition	X		
Missing, Damaged,				3-3.18	LOAD LIMIT			3-4.3	STABILIZER MOUNTING			
Misalignment, Lubrication	X			INDICATORS				A.	Mounting Condition	X		
Record Inner Bearing to Outer				3-3.19	EMERGENCY HANDCRANK			B.	Proper Bolt Grade	X		
Bearing Clearance	0.006	X		CONTROLS			X	C.	Proper Bolt Torque	X		
ROTATION GEAR REDUCTION BOX MOUNTING				3-3.20	AUXILIARY HYDRAULIC			3-4.4	HYDRAULIC LINES/HOSES			
Proper/Bolt Grade/ Installation	X			POWER	X			A.	Condition	X		
Bolt Torque	X			3-3.21	TURNTABLE ALIGNMENT			B.	Leakage	X		
Weld Inspection	X			INDICATOR	X			3-4.5	STABILIZER INTERLOCK WARNING DEVICES	X		
NDT Bolts			X	3-3.22	THROTTLE CONTROL			3-4.6	STABILIZER EXTENSION CYLINDER PIN			
TURNTABLE STRUCTURAL COMPONENTS				A.	Operation	X			Proper Installation,			
Weld Condition	X			B.	Operation RPM	1400	X		Operation	X		
NDT Structural	X			3-3.23	COMMUNICATIONS SYSTEM				Lubrication, Retention	X		
ROTATION HYDRAULIC SWIVEL		X		A.	Proper Installation	X			NDT Pins	X		
HYDRAULIC HOSES IN TURNTABLE	X			B.	Proper Operation	X			3-4.7	STABILIZER EXTENSION CYLINDER		
				3-3.24	RELIEF HYDRAULIC PRESSURE	X			A.	Cylinder Rod	X	
									B.	Cylinder Rod to Barrel Seal	X	

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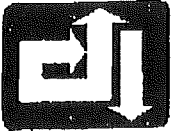
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PORT
IRMS
GE 1



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diversified Inspections/Independent Testing Labs, Inc.

PLEASE REMIT TO:
POST OFFICE BOX 37109
PHOENIX, ARIZONA 85069
PHONE: (602) 995-5800

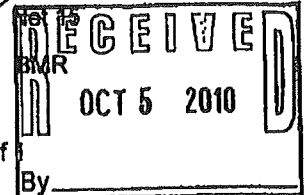
INVOICE 192758-DITL

PO #

DATE 9/28/2010

TERMS

SALES ID



Page: 1 of 1

By

Green Valley Fire District
1285 W. Camino Encanto
Green Valley, AZ 85614

Attn:
Phone: (520) 889-9911

Annual safety inspections on the following equipment:

<u>Account</u>	<u>Date</u>	<u>Unit No.</u>	<u>Manufacturer</u>	<u>Serial Number</u>	<u>Inspector</u>	<u>Amount</u>
3034	9/20/10	3140	Sutphen	HS 4596	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*

6420.02
Vehicle maint
Oper

PAID
10/13/10
CE#12323

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.

Green Valley Fire Dept Product Voucher		Acct # GRE171	
Original SO# 137472 /Inv 400055	\$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		
	4873.85	pd	
	89179.18	pd	
	1717.18	pd	
	308.48	pd w/cm16666	
cm16666	-908.69	\$448.99 used- \$457.06 remaining	
	284.39	pd	
	142.53	pd w/ CM17144	
cm17144	-142.53	applied to 411541	
	142.53	pd w/ CM1666	
	284.39	pd w/CM17227	
cm17227	-284.39	applied to 412818	
	2358.85	pd w/cm17281	
cm17281	-2358.85	applied to 413151	
	2358.85	pd w/cm17282	
cm17282	-2358.85	applied to 413738	
	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	64.86	pd w/ck02971372	
404363	139.89	pd w/ck02971372	

Credit 2,551.36

OK'd 2022.09
Kelly
1-2 wks

CUSTOMER GREEN VALLEY FIRE DISTRICT
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 SUTPHEN ABOUT PERIODIC CHECK OF LOWER ROTATION BOLTS. ACCESS REQUIRE REMOVAL OF SEVERAL COMPONENTS.

(page 2 of 2)

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 85069, Phoenix, Arizona 85069, (800) 992-1111

*Cert
Sent
9/22/10*

Letter of Certification

I, *Bill Bohling*, of GREEN VALLEY 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:

GREEN VALLEY FIRE DISTRICT

Name of Fire Department, City, Company, etc.

1285 W. Camino Encanto
Street or Post Office Box

Green Valley, AZ 85622
City, State and Zip Code

SIGN: *Bill Bohling*

TITLE: *Asst. Chief*

EMAIL*: *bbohling@gvfire.org*

DATE: *9/22/10*

DATE OF TEST: *9/20/10*

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.

CERTIFICATION OF INSPECTION

Certified Report of Mechanical, Nondestructive Tests, And Specifications Conformance

Unit No: 3140
Model: SPH-100 Telscoping
Serial No: HS-4596 Date Tested: 9/20/2010
Owner/Operator: Green Valley Fire District
Address: 1285 W. Camino Encanto Green Valley, AZ 85622

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 Green Valley, AZ by Diversified Inspections/ITL.

Inspector: Robert Browning Date: 9/30/2010



Diversified Inspections/ITL
Post Office Box 39669
Phoenix, AZ 85069, (602) 995-5800

GVFD - Daily Vehicle Check: Tower 151

Revised: 9/12/2010

CVAD ERM 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	EMVLA	Comoduro	EMVLA	MILUSQ	EMVLA	MILUSQ	HOME
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				205.4			
Generator Hours 1st and 15th				46.5			
Fuel Level: Capacity: 65 gallons	F	Full	3/8	7/8	7/8	7/8	7/8
Cab Controls/Instruments							
Warning Lights, Buzzers, etc.	✓	✓	✓	✓	✓	✓	✓
Gauges & Instruments	✓	✓	✓	✓	✓	✓	✓
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	✓	✓	✓	✓	✓	✓	✓
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	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)	✓	✓	✓	✓	✓	✓	✓
EMS Equipment							
Jump Bags (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							
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	✓	✓	✓	✓	✓	✓	✓

REFUELING/SPARE AIR FLUIDS

	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain	4000	4000	4000	4000		* 4500	4500
SCBA 2 Engineer	4500	4500	4500	4500		* 4100	4100
SCBA 3 FF #1	4500	4500	4500	4500		* 4500	4500
SCBA 4 FF #2	4500	4500	4500	4500		* 4500	4500
RIC BAG						*	
Wiper Fluid	4	4	4	4			

SPARE AIR FLUIDS

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.
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	✓	✓
Chk 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	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	

Check gauges:

Engine RPM	Sat.
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:

Stabilizer 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 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							
Miscellaneous							
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							

ALL OK

ALL OK

GVFD - 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	SNALG	Comadum	Shoane	Christians	SNALG	Comadum	SNALG
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	6707			
Generator Hours 1st and 15th			47.6				
Fuel Level: Capacity: 65 gallons	7/8	7/8	3/4	3/4	7/4	3/4	7/4
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	✓	✓	✓	✓		✓	✓
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	✓	✓	✓	✓		✓	✓
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	✓	✓	✓	✓		✓	✓
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 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	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 Emitters						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

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	✓	✓
Inspect Ladders/Halyards/Locks/etc.		✓

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		

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 2/27/11 SC

Weekly Aerial 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			✓				
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			✓				
Vertical Extension / Ladder Power							
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			✓				

1. **Project Title:** [REDACTED]

2. **Project Number:** [REDACTED]

3. **Project Manager:** [REDACTED]

4. **Project Sponsor:** [REDACTED]

5. **Project Start Date:** [REDACTED]

6. **Project End Date:** [REDACTED]

7. **Project Status:** [REDACTED]

8. **Project Description:** [REDACTED]

9. **Project Objectives:** [REDACTED]

10. **Project Scope:** [REDACTED]

11. **Project Budget:** [REDACTED]

12. **Project Risks:** [REDACTED]

13. **Project Deliverables:** [REDACTED]

14. **Project Stakeholders:** [REDACTED]

15. **Project Communication:** [REDACTED]

16. **Project Reporting:** [REDACTED]

17. **Project Approval:** [REDACTED]

18. **Project Review:** [REDACTED]

19. **Project Closure:** [REDACTED]

20. **Project Summary:** [REDACTED]

GVFD - 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	PARLA		PARLA	CARRAFT	CARRAFT	O'CAMPO	HOYE
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				248	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 Shirts/Fire Shelter	✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights	4	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	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	✓	✓	✓		✓	900	
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	✓	✓	✓		✓	✓✓	✓

Daily Aerial Inspection Checklist							
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			✓				
Aerial 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 Leveling Cylinders			✓				

GVFD - 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		LYNCH	Hughes	Finkes	Hughes	Finkes	FITZPATRICK	Finkes
Crew 2		ZAVALA	Corradino	ZAVALA	Corradino	FITZPATRICK	MILLER	ZAVALA
Crew 3		BECKEL	Lopez	USCAB	Lopez	USCAB	WILSON	USCAB
Crew 4								
Mileage:	1st and 15th		6927	6942	6986	6976	6990	7001
Engine Hrs:	1st and 15th		623	625	637	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
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 Shelter		✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights		4	✓x4	4	✓x4	✓x4	✓x4	4
Supra Key / RAD Detector		✓	✓	✓	✓	✓	✓	✓
Thermal Camera (TIC) Batteries		✓	✓	✓	✓	✓	✓	✓
Vehicle 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	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		✓	✓	✓	✓	✓	✓	✓
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/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 Check	Lat.	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							*	

Video Enders

		4	4	4		4	4	4
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Spare Air Bunkies

Spare 1		4000	4000	4000		4300	*	4500
Spare 2		4500	4500	4500		4300	*	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

Car/Motorcycle/Mechanical

Check Fluids	Dates	Sun.	Wed.
Engine Oil	6/8	✓	
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.
6/8	
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	RF
All at 120				
2nd Axle	O-LR 120	O-RR 120	O-LR	O-RR
O = Outside	I-LR 120	I-RR 120	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

Generator Components

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:

Wednesday and Thursday Check							
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			✓				
Turntable and 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 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 and Audible Alarms							
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			✓				

GVFD - Daily Vehicle Check: Tower 151

Revised: 9/12/2010

Month/Year: _____

Shop #: 3140

Dates:	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1		MILLER	Comedum	SAVALA	Comedum		MILLER
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/Cell Phone/Pager		✓	✓	✓	✓		✓
Clipboard/Paperwork/Maps/Passport		✓	✓	✓	✓		✓
Safety Vest/Bug Shirts/Flare Shelter		✓	✓	✓	✓		✓
Survivor Flashlights		✓ x4	✓ x4	4	✓ x4		✓ 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	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/Straps		✓	✓	✓	✓		✓
Snake Box/Pole		✓	✓	✓	✓		✓
Foam containers/Eductor		✓	✓	✓	✓		✓
SCBA/Spare Air Bottles		✓	✓	✓	✓		✓
Weekly SCBA Inspection (see pg. 2)							
RIT Bag / Safety Ropes		✓	✓	✓	✓		✓

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

Daily Inspections - Continued		Date						
SCBA Check	Date	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1	Captain		4:00	4:500	4:500	4:500	* 4:000	4:500
SCBA 2	Engineer		4:500	4:500	4:500	4:500	* 4:200	4:05
SCBA 3	FF #1		4:400	4:400	4:500	4:400	* 4:700	4:500
SCBA 4	FF #2		4:000	4:000	4:000	4:000	* 4:500	4:500
RIC BAG							*	
Voltage/Amperage								
Spare Air Batteries								
Spare 1			4:000	4:000	4:000	4:000	* 4:500	4:200
Spare 2			4:500	4:500	4:500	4:500	* 4:500	4:500
Spare 3			4:200	4:200	4:500	4:200	* 4:500	4:500
Spare 4			4:500	4:500	4:500	4:500	* 4:500	4:500
Spare 5			4:500	4:500	4:500	4:500	* 4:500	4:500
Spare 6			4:500	4:500	4:500	4:500	* 4:500	4:500

Weekly Inspections							
Mechanical		Sun.	Wed.	10 Step Air-Brake Check			
Check Fluids	Dates		7-26	Tues.			
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						Mon.	Thurs.
All at 120	2nd Axle	O-LR	O-RR	LF 120	RF 120	✓	✓
O = Outside		I-LR	I-RR	HLR 120	IRR 120	✓	✓
I = Inside	3rd Axle	O-LR	O-RR	OLR 120	ORR 120	✓	✓
		I-LR	I-RR	ILR 120	IRR 120	✓	✓

Detailed Pump Check		Date	Sat.	Inspect Ladders/Halyards/Locks/etc.		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
(See Weekly SCBA Inspection Sheet)

Date: _____ Initials: _____

Date: _____ Initials: _____

Weekly Activity Inspection Checklist							
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							
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 Hardware							
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				✓			

GVFD - Daily Vehicle Check: Tower 151

Revised: 9/12/2010

Month/Year: _____

Shop #: 3140

Dates:		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1		Zavala	Comaduran		MILLER	Comaduran	MILLER	Vothstide
Crew 2				ZAVALA		Christina		Comaduran
Crew 3						Ysela		Lopez
Crew 4								
Mileage:	1st and 15th	7199	7200	7200	7293	7298	7310	7315
Engine Hrs:	1st and 15th	666	666	666	677	673	676	677
Aerial Hours	1st and 15th				234.6		235.6	
Generator Hours	1st and 15th				59.5			
Fuel Level: Capacity: 65 gallons		F	Full	F	3/4	Full	7/8	3/4
Fire Control/Equipment 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 Shirt/Fire Shelter		✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights		4	✓X4	4	4	✓	✓	✓
Supra Key / Radio Detector		✓	✓	✓	✓	✓	✓	✓
Thermal Camera (TIC) Batteries		✓	✓	✓	✓	✓	✓	✓
Mechanical/Electrical								
Lights: Running/warning/acene		✓	✓	✓	✓	✓	✓	✓
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		1800	1800	1800		1800	1800	1700
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/Shovel		✓	✓	✓	✓	✓	✓	✓
Snake Box/Pole		✓	✓	✓	✓	✓	✓	✓
Foam Containers/Eductor		✓	✓	✓	✓	✓	✓	✓
SCBA/Spare Air Bottles		✓	✓	✓	✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)							✓	
RIT Bag / Safety Ropes		✓	✓	✓	✓	✓	✓	✓

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

DAILY INSPECTIONS - Continuation

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

VOICERECORDER	4	4	4		4			4
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SPARE AIR BOTTLES

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

WEEKLY INSPECTIONS

Check Fluids	Sun.	Wed.	Tues.
--------------	------	------	-------

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

Check Battery/Battery	✓	✓	✓
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Check Belts/Hoses	✓	✓	✓
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Check Breather Valve/Transmission	✓	✓	✓
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Check Front Brakes & Lines	✓	✓	✓
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Check Rear Brakes and Lines	✓	✓	✓
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Check Suspension/Steering Components	✓	✓	✓
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Check Drive Line	✓	✓	✓
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Check for any Fluid Leaks/Note	✓	✓	✓
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Check Front/Rear Tire Wear/Tread	✓	✓	✓
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Check Tire Pressures	LF 120	RF 120	LF 120	RF 120
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All at 120	2nd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120
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O = Outside		I-LR 120	I-RR 120	I-LR 120	I-RR 120
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I = Inside	3rd Axle	O-LR 120	O-RR 120	O-LR 120	O-RR 120
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		I-LR 120	I-RR 120	I-LR 120	I-RR 120
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Check gauges:	Date	Sat. 8-20
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Engine RPM	✓
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Temperature	✓
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Fuel	✓
------	---

Check Pump Volt/Amps	✓
----------------------	---

Inspect/Operate Drain Valves	✓
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Inspected all Intakes/Discharges	✓
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Check Priming Pump Operation	✓
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Check Proper Operation of Relief Valve	✓
--	---

Flush & Drain Discharges	✓
--------------------------	---

1st Sat. of month Flush and Refill Tank	✓
---	---

Foam System Operational Check	✓
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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 Brakes 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.
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Portable Generator	✓	✓
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Fan's 1 and 2	✓	✓
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Circular Saw/Blades	✓	✓
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Chain Saw/Inspect Chain	✓	✓
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Power plant-Rescue Tool	✓	✓
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Spreaders- Cutters	✓	✓
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Short saw Long Ram-	✓	✓
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Inspect Saws-all	✓	✓
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Refuel as Needed	✓	✓
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Check Maint. Tag	✓	✓
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Inspect Ladders/Halyards/Locks/etc.	Thurs.	✓
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Perform Weekly SCBA Inspections		
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(See Weekly SCBA Inspection Sheet)		
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Date: 8/19	Initials: PM
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Date:	Initials:
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Weekly Aerial Inspection							
Stabilization System	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Hydraulic Reservoir Level				✓			
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				✓			
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				✓			

GVFD - 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		HOYE	MCHAND	HOYE	ZAVILA		ZAVILA	MCHAND
Crew 2								
Crew 3								
Crew 4								
Mileage:	1st and 15th	7477	7477	7477	7477		7477	7483
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		34	4	F	F		F	122
CAUTION: Check Instrument Panel 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		✓	✓	✓	✓		✓	✓
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	
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 CONTINUED							
Safety Equipment: Cones, Flares							
Wheel Chocks							
Ladders							
Portable Monitor w/ chains							

DAILY INSPECTIONS CONTINUED

SCBA Check	Date	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain		4000	8000	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							*	
Voices Emitters					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					11000		* 4500	4500
Spare 5							* 4500	4500
Spare 6							* 4500	4500

WEEKLY INSPECTIONS

CHECKED ITEMS DURING WEEK		Sun.	Wed.
Check Fluids	Dates	9/25	9/28
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	RF
All at 120	120	120	120	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

O = Outside
I = Inside

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: 9/28/11 Initials: DR

Date: Initials:

GVFD - 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	HOYE	MILLER		MILLER	LANE	Clarkston	Lane
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
Warning Lights, Buzzers, etc.							
Gauges & Instruments	✓	✓		✓	✓	✓	
Oil/Air Pressure	✓	180/100		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 Shirts/Flare Shirts	✓	✓		✓	✓	✓	
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)							
Life Support Equipment							
Jump Bags (Airway/Trauma/Peds)	✓	✓		✓	✓	✓	
O2 Level	1800	1800		1800	1800	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 Jim	✓	✓		✓	✓	✓	
Snake Box/Pole	✓	✓		✓	✓	✓	
Foam containers/Eductor	✓	✓		✓	✓	✓	
SCBA/Spare Air Bottles	✓	✓		✓	✓	✓	
Weekly SCBA Inspection (see pg. 2)							
RIT Bag / Safety Ropes	✓	✓		✓	✓	✓	

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

SCBA Inspection

SCBA	Inspector	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1	Captain	4000	4000		4000	40	4000	
SCBA 2	Engineer		4000	4000	4000	35	4000	
SCBA 3	FF #1		4000		4000	40	4000	
SCBA 4	FF #2		4000		4000	40	4000	
RIC BAG								

Vehicle Maintenance

Spare	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Spare 1	4000	4000		4000	40	4000	
Spare 2					40	4000	
Spare 3					40	4000	
Spare 4					40	4000	
Spare 5					40	4000	
Spare 6					40	4000	

Weekly Inspection

Check	Sun.	Wed.
Check Fluids	12/04	12/07
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

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	

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

Vehicle Maintenance

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: 12/9	Initials: JB
Date:	Initials:

GVFD - Daily Vehicle Check: Ladder 151

Revised: 11/01/2011

Month/Year: _____

Shop #: 3140

Dates:		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1		FINCHES	MILNER	ZAVALA	MILNER	Ruch		
Crew 2		ZAVALA						
Crew 3		YSLAS						
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		
General/Controls/Instrumentation								
Warning Lights, Buzzers, etc.		✓	✓	✓	✓	✓		
Gauges & Instruments		✓	✓	✓	✓	✓		
Oil/Air Pressure		✓	✓	✓	125/60	✓		
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)								
EMS 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)								
Bag / Safety Ropes		✓	✓	✓	✓	✓		
Air/Gas Monitor (check charge on Fri.)		✓	✓	✓	✓	✓		

FIRE EQUIPMENT CONTINUED

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

DRIVE TRAIN CONTINUED

	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
SCBA 1 Captain				4200	4200	4200	4200
SCBA 2 Engineer	4200		4200	4200	4200	4200	4200
SCBA 3 FF #1	4500		4500	4500	4500	4500	4500
SCBA 4 FF #2	4200		4200	4200	4200	4200	4200
RIC BAG	4400		4400				
Valve Filters w/o	4		4	4	4		
Spare #1	4500	4400	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	4000	4000	4500	4200	4000	4200	4200
Spare 5	4500	4500	4500	4000	3500	3000	3000
Spare 6	4500	4300	4500	3500	4000	4200	4200

WEEKLY INSPECTIONS

	Sun.	Wed.		
Check Fluids	2/12		10 Step Air-Brake Check	Tues.
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	✓			
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 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

DRIVE TRAIN 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:

GVFD - 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	MUSKIS	ZAMLA	HVONCS	ZAMLA	JAMON	ZAMLA	MILK
Crew 2	MILK		HVONCS				
Crew 3	CADAFRA		CADAFRA				
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
GAUGES & 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 Shield/Fire Shelter	✓	✓	✓	✓	✓	✓	✓
Survivor Flashlights <i>CADAFRA</i>	4	4	4	4	✓	4	4
Supra Key / RAD Detector	✓	✓	✓	✓	✓	✓	✓
Thermal Camera (TIC) Batteries	✓	✓	✓	✓	✓	✓	✓
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	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)							✓
EMS EQUIPMENT							
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	✓	✓	✓	✓	✓	✓	✓
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	✓	✓	✓	✓	✓	✓	✓
Snake Box/Pole	✓	✓	✓	✓	✓	✓	✓
Foam containers/Eductor	✓	✓	✓	✓	✓	✓	✓
SCBA/Spare Air Bottles	✓	✓	✓	✓	✓	✓	✓
Weekly SCBA Inspection (see pg. 2)							
Rope Bag / Safety Ropes	✓	✓	✓	✓	✓		✓

THUR

NEED
PDE
MIX

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

DRIVE SECTION CONTINUED

SCBA #	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							*	
WATER PUMP			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	Dates	Sun.	Wed.
Engine Oil	9/18	✓	✓
Transmission	9/21	✓	✓
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 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-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	✓	✓
Short ram Long Ram		
Inspect Saws-all		
Refuel as Needed	✓	✓
Check Maint. Tag		

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

GVFD - Daily Vehicle Check: Ladder 151

Revised: 11/01/2011

Month/Year: _____

Shop #: 3140

Dates:		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Crew 1		CHRISTE-JEN	Aerial (K)					MILLER
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							252.5
Generator Hours	1st and 15th							
Fuel Level: Capacity: 65 gallons			424					144 *
Vehicle/Engine/Instrument Panel/Equipment								
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		1000	✓ 200					
ECG Monitor		✓	✓ New 4/10/11					✓ 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/Blowdown		✓	✓					✓
Snake Box/Pole		✓	✓					✓
Foam dispensers/Eductor		✓	✓					✓
SCBA/Spare Air Bottles		✓	✓					✓
Weekly SCBA Inspection (see pg. 2)								
Rope / Safety Ropes		✓	✓					✓
Air/Gas Monitor (check charge on Fri.)		✓	✓					✓

Safety 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		4400	40+				*	4500
SCBA 2 Engineer		4400	X				*	4500
SCBA 3 FF #1		4500	4				*	4500
SCBA 4 FF #2		4200					*	
RIC BAG							*	

Vehicle Inspection - continued

Spare	Dates	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					*	4500
Spare 5		4400					*	4500
Spare 6		4000				WORN & BOTTLE		REMOVED

Weekly Inspections

10 Step Air-Brake Check

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				

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				
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

Hydraulic 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		✓

	Mon.	Thurs.
Hydraulic Generator	✓	
Portable Generator	✓	
Fan's 1 and 2	✓	
Circular Saw/Blades	✓	
Chain Saw/Inspect Chain	✓	
Power plant-Rescue Tool	✓	RS
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:

11/07/2012

Terry Johnson
AZ. D.P.S.

Terry,

After inspection of Green Valley 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.

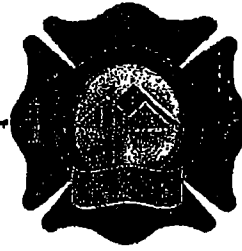
We have been battling with the premature bushing failure on our units for sometime. One of our units didn't make 6 months and several bushings failed. Should you expect a bushing on one of these pulleys to last at least a year, especially on a ladder with such low hours. I think you should.

Edward McDonald
Phoenix fire department

**GVFD
EXH 23**

Green Valley Fire District

1285 West Camino Encanto
Green Valley, Arizona 85622-8222
520/625.9400
www.gvfire.org



**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 Green Valley 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 Green Valley 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 Green Valley Fire District employee was taken to UAMC by ground ambulance.

Once the incident was stabilized, Battalion Chief Joseph Kosiorowski of the Green Valley 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 Green Valley 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 Green Valley 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 Chief Simon Davis if your office requires any additional information or has any questions. Chief Davis can be reached at sdavis@gvfire.org or 520-625-9400.

Completed August 19, 2012
by
Captain Thomas J. Louis, Green Valley Fire District



tlouis@gvfire.org

Green Valley Fire District

1285 W. Camino Encanto, Green Valley, AZ 85622
Phone (520) 625-9400 • FAX (520) 625-7122



Summary of Phone Call with Bluffton Fire Department South Carolina

Submitted by Division Chief Chuck Wunder

I received a phone message from Asst. Chief Paul Boulware with the Bluffton Fire Department in Bluffton South Carolina requesting I contact him regarding our Sutphen Ladder Incident. This phone call occurred on August 28th, 2012.

I made contact with Chief Boulware 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 Boulware 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 Boulware 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 Boulware 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 Boulware expressed concern about a possible design flaw and says his crews lack confidence in this truck now.

Chief Boulware advised following the last failure required the truck to go back to Sutphen and have the ladder re-jigged.

Chief Boulware advised that he and his staff would be happy to provide any additional information they can regarding their incident.

Contact Info:

Chief Paul Boulware
843-757-2800
boulware@blufftonfd.com

Green Valley Fire District

1285 W. Camino Encanto, Green Valley, AZ 85622
Phone (520) 625-9400 • FAX (520) 625-7122



Summary of Phone Call with Chillicothe Fire Department, Chillicothe, Ohio

Submitted by Division Chief Chuck Wunder

I was contacted by Asst. Chief Steve Gallagher, of the Chillicothe Fire Department, on Tuesday September 4, 2012 in follow up to our request for information regarding recent ladder failures at his department.

Asst. Chief Gallagher 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 Gallagher 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 Gallagher had reservations with this suggestion based on the fact the pulleys were maintained and that they had grease inside the pulleys. Asst. Chief Gallagher reported that following the first incident, Sutphen replaced the needle bearings from the original pulley system with teflon bushings.

Asst. Chief Gallagher 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:

Asst. Chief Steve Gallagher
740-773-2212
skgallagher@chillicotheFD.com

Bluffton Township Fire District

T375 (3084) Aerial Trouble Log

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		

<http://web.ebscohost.com/ehost/detail?sid=5f61f2f0-27ad-4cd0-bded-7447355f3f03%40sessionmgr11&vid=1&hid=21&bdata=JmF1dGh0eXBIPWdlbyZnZW9jdXN0aWQ9bnMxODY0NTcmc2l0ZT1laG9zdC1saXZlJnNjb3BIPXNpdGU%3d#db=f5h&AN=9608132495>

Authors:

Craven, Ralph
Steffens, James T.

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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 Riverside, 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

RALPH CRAVEN, based in Reno, 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

JAMES T. STEFFENS is an independent consultant (ITS & Associates) to emergency service organizations based in Bradenton, 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. Craven and Steffens are founding members and officers of the National Institute of Emergency Vehicle Safety (EVS), a nonprofit independent organization based in Reno, Nevada, dedicated to emergency vehicle safety.

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PALM BEACH CO FL - TOWER LADDER CLOSE CALL

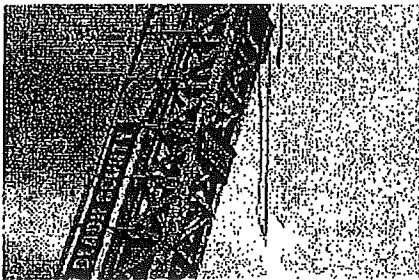


Share

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

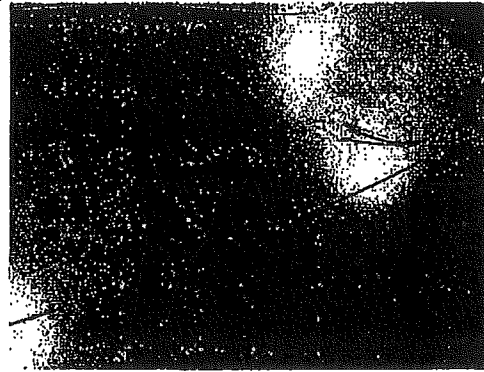
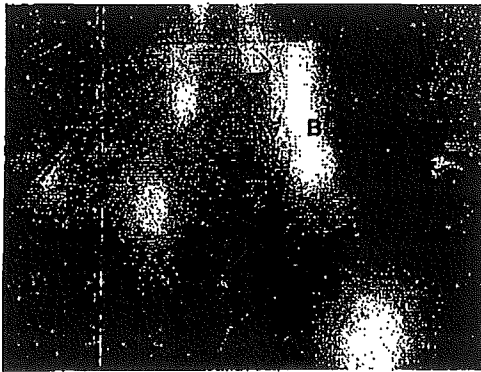
Palm Beach County Fire Fleet Maintenance
Mr. Tim Calhoun, Fleet Manager
2601 Vista Parkway
West Palm Beach, FL 33411

Dear Tim,

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.

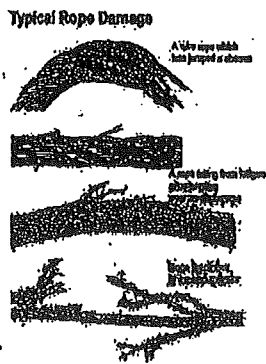
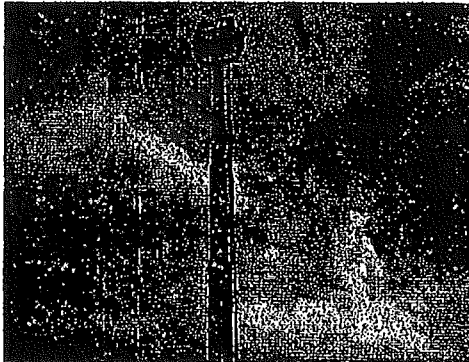


2. When the slack in the second cable (B) was taken up, the load was then increased by the inertial force of the full weight of the 3rd, and 4th aerial sections, yoke, platform, associated hardware, and the live load of 1000 lbs. (2724 lbs. x the acceleration of the aerial sections taking up the slack)
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).

Sutphen Towers
4600 Sutphen Court • Hilliard, OH 43026-1224
Tel: 614-876-1262 • Fax 614-876-3073 • Toll Free 800-343-2712
www.sutphen.com • Sutphen@sutphencorp.com



**FAMILY OWNED
SINCE 1890**



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.

Sutphen Towers
4500 Sutphen Court • Hilliard, OH 43026-1224
Tel 614-876-1262 • Fax 614-876-3073 • Toll Free 800-343-2712
www.sutphen.com • Sutphen@sutphenincorp.com



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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.

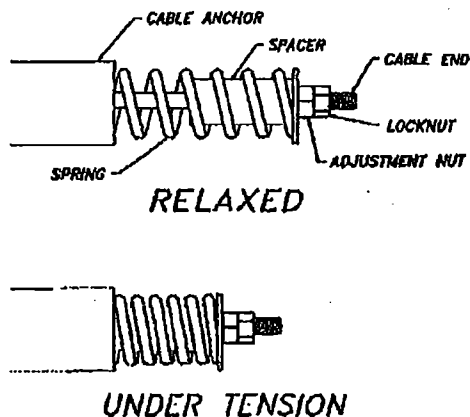


Figure 5

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.

Sutphen Towers
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Tel 614-876-1262 • Fax 614-876-3073 • Toll Free 800-343-2712
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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

Sutphen Towers
4500 Sutphen Court • Hilliard, OH 43026-1224
Tel 614-876-1262 • Fax 614-876-3073 • Toll Free 800-343-2712
www.sutphen.com • Sutphen@sutphenincorp.com



Customer Name	Sedona, 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	Bluffton, 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	Bluffton, 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	Chillicothe, 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	Woonsocket, 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	Guilford, 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	Palm Beach County, 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	Carbonear, 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	Amherst, Nova Scotia 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	Santa Cruz, 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	Mingo Junction, 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.

Green Valley Fire District

1285 W. Camino Encanto, Green Valley, AZ 85622
Phone (520) 625-9400 • FAX (520) 625-7122



To Whom It May Concern:

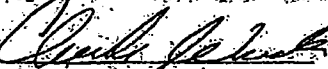
Attached is the Evidence Inventory Sheet detailing the evidence that was collected by the Arizona Department of Public Safety during its investigation of our recent aerial incident.

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..

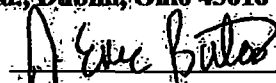
Evidence transferred on November 5, 2012 from Green Valley Fire District to Shuman Specialized Transportation, LTD. 2925 Columbus, Ave. Springfield, OH 45503


Chuck Wunder
Operations Chief
Green Valley Fire District


Ronnie Webb
Shuman Specialized Transportation, LTD

Evidence transferred on 11-12-12 from Shuman Specialized Transportation, LTD. to Sutphen Corporation, 6450 Eiterman Rd., Dublin, Ohio 43016


Ronnie Webb
Shuman Specialized Transport. LTD


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

Green Valley Fire District

1285 W. Camino Encanto, Green Valley, AZ 85622
Phone (520) 625-9400 • FAX (520) 625-7122



September 26, 2012

Terry Johnson
AZ Dept. of Public Safety
6401 S. Tucson Blvd.
Tucson, AZ. 85706

Dear Detective Johnson;

The Green Valley 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 Green Valley Fire District on September 27th, 2012.

The Green Valley 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 Wunder to accept custody of this evidence. When you bring the evidence down for all parties to inspect on the 27th, Chief Wunder 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,

Simon Davis
Fire Chief
Green Valley Fire District



2012

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PAGE _____ OF _____

EVIDENCE USE ONLY
STORAGE LOCATIONS

IX
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CHAIN OF CUSTODY



ARIZONA DEPARTMENT OF PUBLIC SAFETY
SCIENTIFIC ANALYSIS REQUEST AND
EVIDENCE INVENTORY

2012 034900

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
LOCATION EVIDENCE OBTAINED (Highway/Milepost/Address/City/Town) 6401 S. TUCSON BLVD, TUCSON, AZ		COUNTY WHERE EVIDENCE OBTAINED PIMA	
CASE OFFICER NAME JOHNSON	I.D. NUMBER 2479	PHONE 520-746-4664	
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			

PROPERTY MAY BE DISPOSED/DESTROYED? ☐ IMMEDIATELY ☐ AFTER ANALYSIS	OFFICER'S SIGNATURE AUTHORIZING DISPOSAL/DESTRUCTION	I.D. NUMBER	DATE
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SUSPECTS	1.	NAME	D.O.B.	ADDRESS & PHONE	ARS.
	2.	NAME	D.O.B.	ADDRESS & PHONE	ARS.
	3.	NAME	D.O.B.	ADDRESS & PHONE	ARS.

ITEMS	No.	DESCRIPTION
	3JTS	1 BEARING FROM SUTPHEN INC.

SOUTHERN REGIONAL CRIME LABORATORY
AZ DPS DRN 2012034900
Subm # SRCL11

IT1JW3L00YQPKJ
ENV/ (K/3JTS) 1 BEARING FROM SUTPHEN INC

CHAIN OF CUSTODY	ENV (K)	2479	6229	PRP	8/27/12 1513
	1 ENV	4796	2479	INVESTIGATION	8/6/12 0928
	1 ENV	2479	4796	TOP BLVD	8/6/12 1130
	1 ENV	6799	2479	RIS TO ALBY	9/12/12 1025
		2479		RELEASE	9/27/12 1229



ARIZONA DEPARTMENT OF PUBLIC SAFETY
SCIENTIFIC ANALYSIS REQUEST AND
EVIDENCE INVENTORY

FILE NUMBER: 2012 034900

PAGE 1 OF 1

☒ TRAFFIC RELATED ☐ NON-TRAFFIC UCR CODE (LAB USE ONLY) DATE AND TIME EVIDENCE OBTAINED 8/16/12 1300

LOCATION EVIDENCE OBTAINED (Highway/Milepost/Address/City/Town) 25 GREEN VALLEY FIRE DEPT. GREEN VALLEY PIMA COUNTY WHERE EVIDENCE OBTAINED

CASE OFFICER NAME JOHNSON I.D. NUMBER 2479 PHONE 4664

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? ☐ IMMEDIATELY ☐ AFTER ANALYSIS OFFICER'S SIGNATURE AUTHORIZING DISPOSAL/DESTRUCTION I.D. NUMBER DATE

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
1. 1JTJ RIGHT SIDE PULLEY ASSEMBLY
2. 2JTJ LEFT SIDE PULLEY ASSEMBLY
Southern Regional Crime Laboratory
AZ DPS DRN 2012034900
Subm # SRCL10
IT1JW3KTONBOEO
Box/ (J/1JTJ,2JTJ) RIGHT AND LEFT SIDE PULLEY ASSE

CHAIN OF CUSTODY
Box 1 Box (5) 1 Box (5) 1 Box 1 Box 1 Box
2479 LOCKER 23 2479 LOCKER 23 2479 LOCKER 23 2479 LOCKER 23 2479 LOCKER 23
6299 STORAGE 8/16/12 1842
2479 PRP 8/16/12 0755
5034 INVESTIGATING 8/16/12 1411
2479 TSN ED 8/16/12 1500
4796 Jmaret 9/6/12 0923
2479 Tm. Puid 9/6/12 1130
2479 RLS TO AGCY 9/12/12 1025
2479 RELEASE 9/27/12 1225

FOR CONTINUATION USE FORM 802-01822

GREEN VALLEY FIRE DISTRICT
Evidence Review Sign In List
9/27/12

NAME	AFFILIATION	CONTACT
Robert Byrne, Attorney	Herzog Law Firm for VFIS	602-618-5100
[REDACTED]	Victim	520-344-7599
[REDACTED]	Victim	520-344-7599
Bob Meyer	Sutphen	614-570-6972
Timothy Klein	WireCo World Group	816-270-4753
David Weber, Attorney	Potts & Assoc for Sutphen	602-861-8659
Darko Babic, Forensic Failure Eng/Consult	Sutphen	480-382-0230
Ken Creese, Sales	Sutphen	614-889-1005
Eric Bates, Engineering	Sutphen	614-526-3181
Les Hendrickson PHD	Lester E Hendrickson for Plaintiffs	602-243-6449
Michael Drake, Attorney	Representing Browns/Friedmans	520-624-2488
JasonHertzberg, Exponent	Representing VFIS Insurance	312-952-8943
Chuck Wunder, OPS Division Chief	Green Valley Fire District	520-940-4567
Katie Sayre, Admin Division Chief	Green Valley Fire District	520-940-4569
Joseph Kosiorowski, Battalion Chief	Green Valley Fire District	520-625-9400

GREEN VALLEY 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

GREEN VALLEY FIRE DISTRICT
Aerial Incident - Evidence Inventory

[illegible]

GREEN VALLEY FIRE DISTRICT
Aerial Incident - Evidence Inventory

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Green Valley Fire District Standard Operating Guideline	Guideline	Civilian Observer		6105
	Section	8100 Operating District Vehicles		
	General Section	8000 General Operations		
	Author	Bohling		
 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 Green Valley 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.



Green Valley Fire District

1285 W. Camino Encanto/ Green Valley, AZ 85622
Phone: (520) 625-9400 / Fax: (520) 625-7122

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, Green Valley 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 Green Valley 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 Green Valley 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 Green Valley 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 Green Valley Fire District employees.

The Undersigned further agrees to indemnify Green Valley Fire District for any and all loss, damage or liability, contingent or direct, which the Green Valley Fire District may sustain as a consequence of the acts or conduct of the Undersigned.

In consideration of said promises, Green Valley Fire District agrees to permit the Undersigned to ride in its' vehicles while in the company of Green Valley 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 Green Valley Fire District. The permission granted by Green Valley Fire District in this agreement may be revoked at any time by any agent of Green Valley Fire District.

IN WITNESS THEREOF, this agreement is signed by the parties on the first date written above.

UNDERSIGNED

Print Name: _____ Signature: _____ Date: _____

Address: _____ Phone: _____

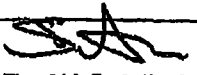
(If rider is a minor, this agreement must be signed by a parent or legal guardian here: _____)

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: _____

Green Valley Fire District Standard Operating Guideline	Guideline	Command Modes		6302
	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			1 of 2

GVFD
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

Green Valley Fire District Standard Operating Guideline	Guideline	Command Modes		6302
	Section	6300 Incident Command		
	General Section	6000 General Operations		
	Author	Böhling / VanBosum / Louis		
Fire Chief's Authorization	Original Date	Last Review	Review Month	Page(s)
	01/2009			2 of 2

3. 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:

1. The situation is stabilized
2. Command is transferred

3. COMMAND MODE

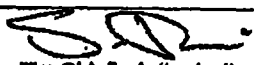
Certain incidents, because of their size, complexity, or potential for rapid expansion require immediate, strong, direct, overall Command. The first-in officer should choose to be in the Command Mode, rather than assisting in initial tactical operations where his/her help will be minimal.

In such a case, the Company Officer will:

1. Initially assume an exterior, safe, and effective Command position.
2. Initiate and use the personnel accountability system.
3. Begin to develop the Incident Action Plan.
4. Call for and assign additional resources.

When the Command Mode is chosen, the IC has the following options for their crew:

1. 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.
2. Assign the crew members to work under another Company Officer, division or group
3. Assign the crew members to staff functions at the Command Post

Green Valley 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)	
	01/2009			1 of 4	

GVFD
Ex 14
25.2

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 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:

Green Valley 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.

Green Valley Fire District Standard Operating Guidelines	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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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

Green Valley Fire District Standard Operating Guideline	Guideline	Command Procedures		6303
	Section	6300 Incident Command		
	General Section	6000 General Operations		
	Author	Bohling / VanBoerum / Louis		
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The Tactical Level:

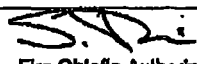
- Directs operational activities toward specific objectives
- May include Branch Directors, Division, and/or Groups
- Responsible for specific geographic or functional areas
- Has authority to make assignments and decisions within the boundaries of the operational plan and the specific area of responsibilities
- 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.

Green Valley Fire District Standard Operating Guideline	Guideline	Unified Command			8304
	Section	8200 Incident Command			
	General Section	8000 General Operations			
	Author	Bohling / VanBoerum / Louis			
 Fire Chief's Authorization	Original Date	Last Review	Review Month	Page(s)	
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GVFD
EXH
253

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.

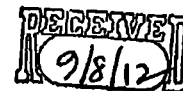
Scope: All Operations Personnel

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.



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: *Brown v. Green Valley 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 Green Valley 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: Greg Kinchen
 Jason Hilton

Mr. Greg Kinchen

Re: *Doe v. Green Valley Fire District*

August 24, 2012

Page 2

Chief Davis

POTTS & ASSOCIATES

Richard G. Potts
Francis G. Passaro
David A. Weber
Walter Grochowski

Not a Partnership or Professional Corporation

*All attorneys are Employees of The Travelers Indemnity Company
and its Property Casualty Affiliates*

Jan-Georg Roesch
Christopher L. Wilson
Paul S. Kular

2401 W. Peoria Avenue, Suite 100, Phoenix, AZ 85029-4708

Facsimile: (877) 365-8043

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

Mr. Craig Lute

BLACCO SPLICING & RIGGING LOFT, INC.

1976 Alum Creek Drive
Columbus, OH 43207

Email: blaccoinc@rrohio.com

Via E-mail and U.S. Mail

Mr. Murrey Loflin

Mr. Tim Merinar

N.I.O.S.H.

1095 Willowdale Road
Morgantown, WV 26505

Email: mloflin@cdc.gov

Email: tmerinar@cdc.gov

Via E-mail and U.S. Mail

Mr. Tim Goodrich

UNION ENTERPRISES

216 W. Bigelow Avenue
Plain City, OH 43064

Email: union_entp@frontier.com

Via E-mail and U.S. Mail

Mr. Larry Horine

POLYGON COMPOSITES

103 Industrial Park Drive
Walkerton, IN 46574

Email: larhor@polygoncomposites.com

RE: Mr. & Mrs. [REDACTED] Mr. & Mrs. [REDACTED] Green Valley Fire
Department; Sutphen Corp.; et al.

My Matter No.: [REDACTED]

Claim No.: [REDACTED]

Date of Loss: 08/15/2012

Gentlemen:

On 08/15/2012, a Sutphen SPH100 aerial platform owned by the Green Valley, 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] Green Valley Fire Dep't; Sutphen Corp., et al.
My Matter No.: 2012601301 Claim No.: ETX5628
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,

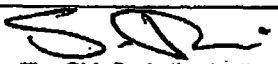


David A. Weber, Esq.

Phone: 602-861-8659

Email: DWeber@Travelers.com

DAW/vrs

Green Valley 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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GVFD
Exit
25.2

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 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:

Green Valley 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.

Green Valley 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

Green Valley 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)	
	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.

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

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] Green Valley 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] Green Valley Fire District

November 19, 2012

Page 2

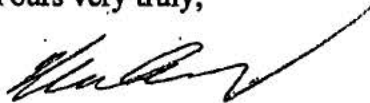
- Preserve a sister sheave including pin and bushing, if feasible.
- If available at Sutphen's facility, examine an intact, identical, exemplar aerial device and observe the extension/retraction of the telescoping boom. Document the tension in the exemplar wire ropes and the tensioning mechanisms. In 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: Michael Drake, Esq.
Chief Katie Sayre
Jason Hertzberg

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)	
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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*

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			2 of 2	

3. 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:

1. The situation is stabilized
2. 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:

1. Initially assume an exterior, safe, and effective Command position.
2. Initiate and use the personnel accountability system.
3. Begin to develop the Incident Action Plan.
4. Call for and assign additional resources.

When the Command Mode is chosen, the IC has the following options for their crew:

1. 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.
2. Assign the crew members to work under another Company Officer, division or group
3. 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

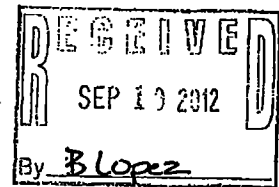
Parts and Service

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
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GREEN VALLEY 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

[illegible][illegible]

GVFD Ladder Truck Incident
Run #2012-5624
On Scene Personnel and Responders

GVFD EXH 24

Crew Involved in Incident: Chuck Wunder (OPS Division Chief & Incident Command) <u>A SHIFT 151 Crew</u> Jeffrey . Mooney (Captain - #151) Manuel . Valencia (Engineer - #151) Joseph . O'Brien (FF/CEP - #151)	Truck 271 – Pascua Yaqui Fire Department PH: 520.879.5720 Carlos . Flores (Lieutenant) Michael Toma (Engineer) Andres Matus (Firefighter) Assisted with Bucket-Bucket Rescue
Responding GVFD Crews on Scene: 520.625.9400 <u>Engine 154</u> Melissa . Smith (Captain -154) Timothy Smith (Engineer - 154) Joshua Cavell (FF/CEP - 154) Mike Fazio (FF - 154) <u>Engine 153</u> Dan Modrzejewski (Captain - 153) John O'Campo (Engineer -153) Salvatore Taormina (FF/CEP - 153) Anthony . Taylor (FF- 153)	Witnesses to Incident: 520.625.9400 Charles (Chuck) . Wunder, OPS Division Chief Jeffrey . Mooney (Fire Captain - 151) Manuel . Valencia (Engineer - 151) Joseph O'Brien (Firefighter - 151)
Other On Duty GVFD Crews 520.625.9400 <u>Engine 152</u> Robert Zinn (Captain – 152) Greg Gatterer (Engineer – 152) Corey Potter (FF/CEP – 152) <u>Engine 155</u> Phil Comaduran (Captain – 155) Timothy Frost (Engineer – 155) James (JR) Perkins (FF/EMT -155)	Other Responding GVFD Personnel 520.625.9400 Simon Davis, Fire Chief Katie Sayre, Administrative Division Chief Vernon Harms, District Chaplain Brian Wilford, Battalion Chief (B Shift) Joseph Kosiorowski, Battalion Chief (A Shift) Tom Louis, Captain/PIO (C Shift) Larry Finkes, Captain (C shift) Ken Shultz, Captain (B Shift) Glenn Simmonds, Captain (B shift) Jason Moore, Captain (B Shift) Joey Ruiz, Captain (C Shift) Mark Lytle, Captain (C Shift) Mike Hoyer, Engineer (C Shift) Brandon Christensen, Engineer (B Shift) Nathaneal Dougall, FF/CEP (B Shift) Chris Scheller, FF/CEP (B Shift)
Other First Responders On Scene Southwest Ambulance 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 Doug Chappell, Fire Chief, Drexel Heights Fire District 520.883.4341 Tucson, Arizona Drexel handles all dispatch for GVFD Randy Karrer, Fire Chief Golder Ranch Fire District 520.825.9001 Tucson, Arizona

GVFD Ladder Truck Incident

GVFD EXH 24

Run #2012-5624

On Scene Personnel and Responders

<u>PM 881</u> Gary Kimble Kriston Hawks Drexel Heights Fire District 520.883.4341 <u>SQ 443</u> Edward Riesgo Andrew Sepulveda Richard Lane Lifeline Air Transport 520.872.4738 <u>Lifeline 3</u> Chip Petrash (Pilot) Paul Deisler (Nurse) Don Poage (CEP)	

POTTS & ASSOCIATES

Richard G. Potts
Francis G. Passaro
David A. Weber
Walter Grochowski

Not a Partnership or Professional Corporation

*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

Mr. Dennis Fetter

WIRECO. WORLD GROUP

1220 NW Ambassador Drive
Kansas City, MO 64163

Email: DennisFetter@WireCoWorldGroup.com

Via E-mail Only

Ms. Kelly A. Campbell

SPENCER FANE BRITT & BROWNE, L.L.P.

1000 Walnut St., Suite 1400
Kansas City, Mo. 64106-2140

Email: kcampbell@spencerfane.com

Via E-mail Only

Mr. Terry Johnson

ARIZONA DEP'T OF PUBLIC SAFETY

6401 S. Tucson Boulevard
Tucson, AZ 85706

Email: tjohnson@azdps.gov

Via E-mail Only

Mr. Craig Lute

BLACCO SPlicing & RIGGING LOFT, INC.

1976 Alum Creek Drive
Columbus, OH 43207

Email: blaccoinc@rrohio.com

Via E-mail Only

Mr. Tim Merinar

Mr. Murrey Loflin

Mr. Paul H. Moore

N.I.O.S.H.

1095 Willowdale Road
Morgantown, WV 26505

Email: uvo2@cdc.gov

Email: trm2@cdc.gov

Email: phm0@cdc.gov

Via E-mail Only

Mr. Tim Goodrich

UNION ENTERPRISES

216 W. Bigelow Avenue
Plain City, OH 43064

Email: union_entp@frontier.com

Via E-mail Only

Mr. Larry Horine

POLYGON COMPOSITES

103 Industrial Park Drive
Walkerton, IN 46574

Email: larhor@polygoncomposites.com

RE: Mr. & Mrs. [REDACTED] Mr. & Mrs. [REDACTED] Green Valley Fire
Department; Sutphen Corp.; et al.
My Matter No.: 2012601301 Claim No. [REDACTED]
Date of Loss: 08/15/2012

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 GVFD 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 Green Valley 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,



David A. Weber, Esq.

Phone: 602-861-8659

Email: DWeber@Travelers.com

DAW/vrs