



**RFQ No. 2408-45133
Fire Truck Dry Chemical Inspection Services**

**Release Date: July 19, 2024
Addendum No. 1**

Submitted Questions and Responses

Question #1. Relating to the Twin Agent Skid Unit What are the 2 agents within the skid unit? Typically Purple K and Foam... (If Foam, when was the agent updated?)

Response: PKP and Foam. The foam is not updated for the mini ARFF and the other trucks will start being updated around mid-August. As of now, no trucks have been shifted to F3 foam.

Question #2. "All vehicle inspections are current" - Could I get the most recent inspection report for each unit.

Response: Yes, see Attachment No. 1 for the Vehicle Inspection Reports.

Question #3. Is the truck inspection access "Crawl Space" considered a confined space?

Response: No, this is not a confined space for crawl space.

Attachment No. 01:
Vehicle Inspection Reports

The Question and Answer period is closed.

Submittal Due Date is Monday, August 5, 2024 at 2:00 PM (local time)



RFQ No. 2408-45133
Fire Truck Dry Chemical Inspection Services

Release Date: July 19, 2024
Addendum No. 1

Attachment No. 1

Vehicle Inspection Reports

CRASH - 17 (51749)

2024



ARFF VEHICLE INSPECTION

Customer JACKSONVILLE AIRPORT AUTHORITY
Serial Number 137088 Model E-ONE P-7 6X6
Miles 5765 Hours _____
Factory Representative Max Sharits
Customer JAA
Date..... 03/28/2024

DELIVERY

6 MO INSPECTION

12 MO INSPECTION

CONTRACTED INSPECTION

OTHER

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ARFF VEHICLE INSPECTION CHECKLIST

SYSTEMS/COMPONENTS TO BE CHECKED	INSPECTION RESULTS	COMMENTS/RECOMMENDATIONS
CHASSIS & BODY CONDITION AND ATTACHMENTS		
1) Condition of frame, components, cross members and sub-frame	ok	
2) Mounting bolts and brackets, transmissions, steering arms, transfer case and components	ok	
3) Front and rear suspension/and axles	ok	
4) Cab rear body	ok	
5) Fluid levels/leaks		
a) Engine oil	ok	
b) Engine coolant	ok	
c) Power divider	ok	
d) Transmission	ok	
e) Batteries	ok	
f) Front axle	ok	
g) Rear axle(s)	ok	
h) Steering/hydraulic reservoir	ok	
i) Planetary wheel end oil level-IDS	ok	
j) Transfer case	ok	
k) Axle lock up chambers	ok	
l) Water pump gear case	ok	
6) Operation of steering system, leaks		
7) Review with the customer the required oil and filter changes and chassis lubrication. Ref the operators manual lube chart.	ok	
8) Check all engine belts for cracking, fraying and proper adjustment.	ok	
9) Engine low idle. Spec: 750 RPM	ok	
10) Engine full throttle operation Spec: 2300 RPM	ok	
11) Engine high idle. Spec: 1400 RPM	ok	
12) Electronic touchpad operation - Transmission shift pad	ok	
13) Vehicle Acceleration		
STA-1500 - 0-50 mph (0-80 kph) in 25 Seconds		
STA-3000 - 0-50 mph (0-80 kph) in 35 Seconds	ok	
STA-4500 - 0-50 mph (0-80 kph) in 35 Seconds		
14) Vehicle stopping distance		
STA -1500 - 35 feet (11 m) at 20 mph (33 kph)		
STA -3000 - 40 feet (12 m) at 20 mph (33 kph)	ok	
STA -4500 - 40 feet (12 m) at 20 mph (33 kph)		
15) Operation of parking brakes	ok	



ARFF VEHICLE INSPECTION CHECKLIST

SYSTEMS/COMPONENTS TO BE CHECKED	INSPECTION RESULTS	COMMENTS/RECOMMENDATIONS
16) Operation of service brakes and adjustment	ok	
17) ABS operation	ok	
18) Wheels and tires, wear, inflation, lug nuts. Recommend tire rotation as required.	ok	
19) Tire inflation		
Spec: STA-1500 - Tire inflation 86 psi (593 kpa)		
Spec: STA-3000 - Tire inflation 86 psi (593 kpa)	ok	
Spec: STA-4500 - Tire inflation 86 psi (593 kpa)		
20) Operation of optional equipment, battery charger; winterization systems, air conditioner, generator, CTIS operation, infrared camera, monitors, deluge system	ok	
AIR SYSTEM CONDITION, OPERATION, LEAKS, AND ATTACHMENTS		
1) Air pressure Spec: 120 psi (827 kpa) min. 130 psi (896 kpa) max.	ok	
2) Quick build up air system time from 0 psi (0 kpa) to release parking brake. Spec: 15 seconds	ok	
3) Air system bleed down time, starting at min 120 psi (827 kpa)		
Spec: 60 psi (413 kpa) in 12 hours	needs repair	leaks down in 2 hrs
4) Air system components		
a) Brake treadle valve	ok	
b) Throttle treadle valve	ok	
c) Parking brake valve	ok	
d) Double check valves	ok	
e) Air cylinders	ok	
f) Pressure protection valves	ok	
g) Air reservoirs and drains	ok	
h) Air fittings and lines	ok	
i) Air solenoids	ok	
5) Dual air system test/front and rear brake systems	ok	
6) Operation and maintenance of air dryer/dryers	ok	replacement recommended, high humidity environment and frequent purging



ARFF VEHICLE INSPECTION CHECKLIST

SYSTEMS/COMPONENTS TO BE CHECKED	INSPECTION RESULTS	COMMENTS/RECOMMENDATIONS
ELECTRICAL SYSTEM CONDITION, OPERATION, AND ATTACHMENTS		
1) 12 volt charging system voltage. Spec: 13.5 to 15 Volts @ 1000 RPM, each alternator		
a) Alt. one	13.9v	
b) Alt. two	13.8	
2) Battery voltage. Spec: 12.6 Volts Static		
3) Operation of neutral safety circuit	ok	
4) P.A. and siren system	ok	
5) Vehicle lights	ok	
6) Optional lights	ok	
7) Electrical system components.		
a) Gauges	ok	
b) Relays	ok	
c) Solenoids	ok	
d) Directional/Flashers	ok	
e) Heater and A/C	ok	
f) Defroster	ok	
g) Control switches	ok	
h) Wipers	ok	
i) Horn	ok	
j) Wiring and connections	ok	
k) Electric fuel pump	ok	
8) Interface of electrical system with air system	ok	
FIREFIGHTING SYSTEM CONDITION, OPERATION, LEAKS, AND ATTACHMENTS		
1) Engine speed pumping. Spec: 2025 RPM	ok	
2) Water system pressure pilot on, 240 psi	ok	



ARFF VEHICLE INSPECTION CHECKLIST

SYSTEMS/COMPONENTS TO BE CHECKED	INSPECTION RESULTS	COMMENTS/RECOMMENDATIONS
3) Fire system components		
a) Relief valve	ok	
b) Pilot valve (clean strainer)	ok	
c) Ball valves, air/electronic solenoid valves	ok	
d) Drain valves	ok	
e) Fittings and hoses	ok	
4) Water tank and attachments, and Sub-frame mounting.	ok	
5) Water pump, supply piping, discharge piping	OK	
6) Water and foam level lights and sensors.	ok	
7) Operation of hydraulic wing clutch.	ok	
8) Operation of modulating clutch	ok	
9) Controls and operation of dual flow roof / bumper turret(s)	ok	
10) Water pump pressure with roof turret on high flow.	220 psi	
11) Water pump pressure with dual flow bumper turret on high flow		
12) Range of dual flow roof and bumper turret(s) on high flow		
Spec: STA-1500, 190 Feet (58 m)		
Spec: STA-3000, 250 Feet (76 m)	250ft	
Spec: STA-4500, 250 Feet (76 m)		
13) Controls and operation of bumper turret, flow 300 or 500 gpm.	500	
14) Water pump pressure of single flow bumper turret 300 or 500 gpm		
15) Bumper turret range - Spec: 150 Feet (46 m)	150 ft	
16) Controls and operation of handline(s)	ok	
17) Handline range - Spec: 65 Feet (20 m) straight stream	ok	
18) Preconnect handline with air activation w/teather	ok	
19) Operation of side panels/structural firefighting panel	ok	
20) Operation of 2-1/2" (63.5 mm) optional accessory piping discharge valve cables		



ARFF VEHICLE INSPECTION CHECKLIST

SYSTEMS/COMPONENTS TO BE CHECKED	INSPECTION RESULTS	COMMENTS/RECOMMENDATIONS
21) Winterization system		
a) Heater Operation		
b) Recirculating Pumps		
c) Heater Hose Routing		
d) Compartment Heater Operation		
FOAM PROPORTIONING SYSTEM CONDITION, OPERATION, AND LEAKS		
1) Foam tank	ok	
2) Foam supply / discharge piping and attachments	ok	
3) Foam system components		
a) Ball valves, indexing	leak at tank valve	replace Type text here
b) Check valves	ok	
c) Metering valve	ok	
d) Proportioner/Inductor	ok	
e) Fittings and hoses	ok	
f) Drain valves	ok	
5) Induction valve operation	ok	
6) Roof turret foam proportioning. 6% = 5.5/7.0% - 3% = 2.8/3.5%		tested by fire department
7) Bumper turret foam proportioning. 6% = 5.5/7.0% - 3% = 2.8/3.5%		
8) Handline(s) foam proportioning 6% = 5.5/8.0% - 3% = 2.8/4.0%		
a) Left hand upper		
b) Left hand lower		
c) Right hand upper		
b) Right hand lower		
9) Undertruck nozzles 6% = 5.5/8.0% - 3% = 2.8/4.0%		
10) Operation of flushing systems (optional)		



ARFF VEHICLE INSPECTION CHECKLIST

SYSTEMS/COMPONENTS TO BE CHECKED	INSPECTION RESULTS	COMMENTS/RECOMMENDATIONS
DRY CHEMICAL SYSTEM (OPTIONAL) CONDITION, OPERATION, AND ATTACHMENTS		
1) Controls and operation of dry chemical and or halotron system	ok	
2) Argon/Nitrogen cylinder pressure. Spec: 1750 psi (12,065 kpa) minimum, 2500 psi (17,236 kpa) maximum	2400psi	
3) Discharge pressure Spec: 225 + 5 psi (1,551 + 34 kpa)		
SNOZZLE		
1) Snozzle operation, hydraulic and manual operation of systems.	N/A	
a) snozzle, hydraulic pressure Spec: 2800 psi (19,305 kpa) max.	N/A	
b) Water pressure at base of the Snozzle - 180 psi (1,241 kpa)	N/A	
c) Operation of backup systems, manual controls and hydraulics	N/A	
LOW ATTACK		
1) Operation, hydraulic & manual operation of systems	ok	
REFERENCE MATERIAL		
a) Water pump pressrue		
STA 240 psi (1,655 kpa)		
b) Flow rate for dual flow turrets.		
Spec: STA-1500 375/750 gpm (1,419/2,839 lpm)		
Spec: STA-3000 625/1250 GPM (2,366/4,732 lpm)		
Spec: STA-4500 625/1250 GPM (2,366/4,732 lpm)		
c) Flow rates for the Snozzle.		
Spec: STA-1500 375/750 gpm (1,419/2,839 lpm)		
Spec: STA-3000 500/1000 gpm (1,892/3,785 lpm)		
Spec: STA-4500 500/1000 gpm (1,892/3,785 lpm)		
d) Foam proportioning		
Spec: NFPA 412		
Halotron has a static pressure of 100 psi @ 70°F (689kpa @ 21° C) see refill instructions for halotron. Group 60J		
ADDITIONAL COMMENTS /RECOMMENDATIONS		
around the proportioner cylinder air valve leaking air		
bumper turret water valves leaking		

CRASH - 18 (50811)
2024



ARFF VEHICLE INSPECTION

Customer JACKSONVILLE AIRPORT AUTHORITY
Serial Number 086459 Model STRIKER 3000
Miles 11804 Hours 1619
Factory Representative Max Sharits
Customer JAA
Date..... 3/27/2024

- | | | | | |
|--------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| DELIVERY | 6 MO INSPECTION | 12 MO INSPECTION | CONTRACTED INSPECTION | OTHER |

leak at wter tank left rear

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SE-66 3/2000



ARFF VEHICLE INSPECTION CHECKLIST

SYSTEMS/COMPONENTS TO BE CHECKED	INSPECTION RESULTS	COMMENTS/RECOMMENDATIONS
CHASSIS & BODY CONDITION AND ATTACHMENTS		
1) Condition of frame, components, cross members and sub-frame	ok	
2) Mounting bolts and brackets, transmissions, steering arms, transfer case and components	ok	
3) Front and rear suspension/and axles	ok	
4) Cab rear body	ok	
5) Fluid levels/leaks		
a) Engine oil	leak at air compressor head	replace compressor
b) Engine coolant	ok	
c) Power divider	ok	
d) Transmission	ok	
e) Batteries	ok	
f) Front axle	ok	
g) Rear axle(s)	ok	
h) Steering/hydraulic reservoir	ok	
i) Planetary wheel end oil level-IDS	ok	
j) Transfer case	n/a	
k) Axle lock up chambers	ok	
l) Water pump gear case	ok	
6) Operation of steering system, leaks	ok	
7) Review with the customer the required oil and filter changes and chassis lubrication. Ref the operators manual lube chart.		
8) Check all engine belts for cracking, fraying and proper adjustment.	BELTS NEED ADJUSTMENT OR REPLACEMENT	
9) Engine low idle. Spec: 750 RPM	ok	
10) Engine full throttle operation Spec: 2300 RPM	ok	
11) Engine high idle. Spec: 1400 RPM	ok	
12) Electronic touchpad operation - Transmission shift pad	ok	
13) Vehicle Acceleration		
STA-1500 - 0-50 mph (0-80 kph) in 25 Seconds		
STA-3000 - 0-50 mph (0-80 kph) in 35 Seconds		
STA-4500 - 0-50 mph (0-80 kph) in 35 Seconds		
14) Vehicle stopping distance		
STA -1500 - 35 feet (11 m) at 20 mph (33 kph)		
STA -3000 - 40 feet (12 m) at 20 mph (33 kph)	ok	
STA -4500 - 40 feet (12 m) at 20 mph (33 kph)		
15) Operation of parking brakes	ok	



ARFF VEHICLE INSPECTION CHECKLIST

SYSTEMS/COMPONENTS TO BE CHECKED	INSPECTION RESULTS	COMMENTS/RECOMMENDATIONS
16) Operation of service brakes and adjustment	ok	
17) ABS operation	ok	
18) Wheels and tires, wear, inflation, lug nuts. Recommend tire rotation as required.	ok	
19) Tire inflation		
Spec: STA-1500 - Tire inflation 86 psi (593 kpa)		
Spec: STA-3000 - Tire inflation 86 psi (593 kpa)	ok	
Spec: STA-4500 - Tire inflation 86 psi (593 kpa)		
20) Operation of optional equipment, battery charger; winterization systems, air conditioner, generator, CTIS operation, infrared camera, monitors, deluge system	repair need	deluge operation left rear work light missing
AIR SYSTEM CONDITION, OPERATION, LEAKS, AND ATTACHMENTS		
1) Air pressure Spec: 120 psi (827 kpa) min. 130 psi (896 kpa) max.	repair need	air drier purges frequently (air leak from governor)
2) Quick build up air system time from 0 psi (0 kpa) to release parking brake. Spec: 15 seconds	ok	
3) Air system bleed down time, starting at min 120 psi (827 kpa)		
Spec: 60 psi (413 kpa) in 12 hours	needs repair	leaks down on rear 120psi to 60 in 2hrs
4) Air system components		
a) Brake treadle valve	ok	
b) Throttle treadle valve	ok	
c) Parking brake valve	ok	
d) Double check valves	ok	
e) Air cylinders	ok	
f) Pressure protection valves	ok	
g) Air reservoirs and drains	ok	
h) Air fittings and lines	ok	
i) Air solenoids	ok	
5) Dual air system test/front and rear brake systems	ok	
6) Operation and maintenance of air dryer/dryers	ok	replacement recommended, high humidity environment and frequent purging



ARFF VEHICLE INSPECTION CHECKLIST

SYSTEMS/COMPONENTS TO BE CHECKED	INSPECTION RESULTS	COMMENTS/RECOMMENDATIONS
ELECTRICAL SYSTEM CONDITION, OPERATION, AND ATTACHMENTS		
1) 12 volt charging system voltage. Spec: 13.5 to 15 Volts @ 1000 RPM, each alternator		
a) Alt. one	13.9v	
b) Alt. two	14.1v	
2) Battery voltage. Spec: 12.6 Volts Static		
3) Operation of neutral safety circuit	ok	
4) P.A. and siren system	OK	
5) Vehicle lights	ok	
6) Optional lights	ok	
7) Electrical system components.		
a) Gauges	ok	
b) Relays	ok	
c) Solenoids	ok	
d) Directional/Flashers	ok	
e) Heater and A/C	repair need	officers side blower inop
f) Defroster	ok	
g) Control switches	ok	
h) Wipers	ok	
i) Horn	ok	
j) Wiring and connections	ok	
k) Electric fuel pump	ok	
8) Interface of electrical system with air system	ok	
FIREFIGHTING SYSTEM CONDITION, OPERATION, LEAKS, AND ATTACHMENTS		
1) Engine speed pumping. Spec: 2025 RPM	ok	
2) Water system pressure pilot on, 240 psi	ok	

leak from roof turret valves, rekit with stainless



ARFF VEHICLE INSPECTION CHECKLIST

SYSTEMS/COMPONENTS TO BE CHECKED	INSPECTION RESULTS	COMMENTS/RECOMMENDATIONS
3) Fire system components		
a) Relief valve	ok	advise customer to operate pump with pressure in on position
b) Pilot valve (clean strainer)	ok	
c) Ball valves, air/electronic solenoid valves	ok	
d) Drain valves	ok	
e) Fittings and hoses	ok	
4) Water tank and attachments, and Sub-frame mounting.	ok	
5) Water pump, supply piping, discharge piping	OK	
6) Water and foam level lights and sensors.	ok	
7) Operation of hydraulic wing clutch.	ok	recommend inspecting and cleaning wing box hydraulic line filter.
8) Operation of modulating clutch	ok	
9) Controls and operation of dual flow roof / bumper turret(s)	ok	
10) Water pump pressure with roof turret on high flow.	210 psi	
11) Water pump pressure with dual flow bumper turret on high flow		
12) Range of dual flow roof and bumper turret(s) on high flow		
Spec: STA-1500, 190 Feet (58 m)		
Spec: STA-3000, 250 Feet (76 m)	250ft	
Spec: STA-4500, 250 Feet (76 m)		
13) Controls and operation of bumper turret, flow 300 or 500 gpm.	300gpm repair	fog stream inop
14) Water pump pressure of single flow bumper turret 300 or 500 gpm		
15) Bumper turret range - Spec: 150 Feet (46 m)	150 ft	
16) Controls and operation of handline(s)	ok	
17) Handline range - Spec: 65 Feet (20 m) straight stream	ok	
18) Preconnect handline with air activation w/teather	ok	
19) Operation of side panels/structural firefighting panel	repair	side discharge pressure gauges inop
20) Operation of 2-1/2" (63.5 mm) optional accessory piping discharge valve cables	n/a	



ARFF VEHICLE INSPECTION CHECKLIST

SYSTEMS/COMPONENTS TO BE CHECKED	INSPECTION RESULTS	COMMENTS/RECOMMENDATIONS
21) Winterization system		
a) Heater Operation		
b) Recirculating Pumps		
c) Heater Hose Routing		
d) Compartment Heater Operation		
FOAM PROPORTIONING SYSTEM CONDITION, OPERATION, AND LEAKS		
1) Foam tank	ok	
2) Foam supply / discharge piping and attachments	ok	
3) Foam system components		
a) Ball valves, indexing	ok	
b) Check valves	ok	
c) Metering valve	ok	
d) Proportioner/Inductor	ok	
e) Fittings and hoses	ok	
f) Drain valves	ok	
5) Induction valve operation	ok	
6) Roof turret foam proportioning. 6% = 5.5/7.0% - 3% = 2.8/3.5%		tested by fire department
7) Bumper turret foam proportioning. 6% = 5.5/7.0% - 3% = 2.8/3.5		
8) Handline(s) foam proportioning 6% = 5.5/8.0% - 3% = 2.8/4.0%		
a) Left hand upper		
b) Left hand lower		
c) Right hand upper		
b) Right hand lower		
9) Undertruck nozzles 6% = 5.5/8.0% - 3% = 2.8/4.0%		
10) Operation of flushing systems (optional)		

sak at roof turret valves

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ARFF VEHICLE INSPECTION CHECKLIST

SYSTEMS/COMPONENTS TO BE CHECKED	INSPECTION RESULTS	COMMENTS/RECOMMENDATIONS
DRY CHEMICAL SYSTEM (OPTIONAL) CONDITION, OPERATION, AND ATTACHMENTS		
1) Controls and operation of dry chemical and or halotron system	ok	
2) Argon/Nitrogen cylinder pressure. Spec: 1750 psi (12,065 kpa) minimum, 2500 psi (17,236 kpa) maximum	2200psi	
3) Discharge pressure Spec: 225 + 5 psi (1,551 + 34 kpa)		
SNOZZLE		
1) Snozzle operation, hydraulic and manual operation of systems.	N/A	
a) snozzle, hydraulic pressure Spec: 2800 psi (19,305 kpa) max.	N/A	
b) Water pressure at base of the Snozzle - 180 psi (1,241 kpa)	N/A	
c) Operation of backup systems, manual controls and hydraulics	N/A	
LOW ATTACK		
1) Operation, hydraulic & manual operation of systems	N/A	
REFERENCE MATERIAL		
a) Water pump pressrue STA 240 psi (1,655 kpa)		
b) Flow rate for dual flow turrets. Spec: STA-1500 375/750 gpm (1,419/2,839 lpm) Spec: STA-3000 625/1250 GPM (2,366/4,732 lpm) Spec: STA-4500 625/1250 GPM (2,366/4,732 lpm)		
c) Flow rates for the Snozzle. Spec: STA-1500 375/750 gpm (1,419/2,839 lpm) Spec: STA-3000 500/1000 gpm (1,892/3,785 lpm) Spec: STA-4500 500/1000 gpm (1,892/3,785 lpm)		
d) Foam proportioning Spec: NFPA 412		
Halotron has a static pressure of 100 psi @ 70°F (689kpa @ 21° C) see refill instructions for halotron, Group 60J		
ADDITIONAL COMMENTS /RECOMMENDATIONS		
leakfrom roof turret valves, rekit with stainless		
a/c belt loose.		
air drier purges frequently (air leak from govenor)		
missing work light head right front		



ARFF VEHICLE INSPECTION

Customer JACKSONVILLE AIRPORT AUTHORITY
 Serial Number 145002 Model P8 TITAN
 Miles 987 Hours _____
 Factory Representative MAX SHARITS
 Customer JIA CRASH 19
 Date..... 03/28/2024

DELIVERY

6 MO INSPECTION

12 MO INSPECTION

CONTRACTED INSPECTION

OTHER

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ARFF VEHICLE INSPECTION CHECKLIST

SYSTEMS/COMPONENTS TO BE CHECKED	INSPECTION RESULTS	COMMENTS/RECOMMENDATIONS
CHASSIS & BODY CONDITION AND ATTACHMENTS		
1) Condition of frame, components, cross members and sub-frame	ok	
2) Mounting bolts and brackets, transmissions, steering arms, transfer case and components	ok	
3) Front and rear suspension/and axles	ok	
4) Cab rear body	ok	
5) Fluid levels/leaks		
a) Engine oil	ok	
b) Engine coolant	ok	
c) Power divider	ok	
d) Transmission	ok	
e) Batteries	ok	
f) Front axle	ok	
g) Rear axle(s)	ok	
h) Steering/hydraulic reservoir	ok	
i) Planetary wheel end oil level-IDS	ok	
j) Transfer case	ok	
k) Axle lock up chambers	ok	
l) Water pump gear case	ok	
6) Operation of steering system, leaks	ok	
7) Review with the customer the required oil and filter changes and chassis lubrication. Ref the operators manual lube chart.	ok	
8) Check all engine belts for cracking, fraying and proper adjustment.	ok	
9) Engine low idle. Spec: 750 RPM	ok	
10) Engine full throttle operation Spec: 2300 RPM	ok	
11) Engine high idle. Spec: 1400 RPM	ok	
12) Electronic touchpad operation - Transmission shift pad	ok	
13) Vehicle Acceleration		
STA-1500 - 0-50 mph (0-80 kph) in 25 Seconds		
STA-3000 - 0-50 mph (0-80 kph) in 35 Seconds	ok	
STA-4500 - 0-50 mph (0-80 kph) in 35 Seconds		
14) Vehicle stopping distance		
STA -1500 - 35 feet (11 m) at 20 mph (33 kph)		
STA -3000 - 40 feet (12 m) at 20 mph (33 kph)	oik	
STA -4500 - 40 feet (12 m) at 20 mph (33 kph)		
15) Operation of parking brakes		



ARFF VEHICLE INSPECTION CHECKLIST

SYSTEMS/COMPONENTS TO BE CHECKED	INSPECTION RESULTS	COMMENTS/RECOMMENDATIONS
16) Operation of service brakes and adjustment	ok	
17) ABS operation	ok	
18) Wheels and tires, wear, inflation, lug nuts. Recommend tire rotation as required.	ok	
19) Tire inflation		
Spec: STA-1500 - Tire inflation 86 psi (593 kpa)		
Spec: STA-3000 - Tire inflation 86 psi (593 kpa)	ok	
Spec: STA-4500 - Tire inflation 86 psi (593 kpa)		
20) Operation of optional equipment, battery charger, winterization systems, air conditioner, generator, CTIS operation, infrared camera, monitors, deluge system	ok	
AIR SYSTEM CONDITION, OPERATION, LEAKS, AND ATTACHMENTS		
1) Air pressure Spec: 120 psi (827 kpa) min.130 psi (896 kpa) max.	ok	
2) Quick build up air system time from 0 psi (0 kpa) to release parking brake. Spec: 15 seconds	ok	
3) Air system bleed down time, starting at min 120 psi (827 kpa)		
Spec: 60 psi (413 kpa) in 12 hours	ok	
4) Air system components		
a) Brake treadle valve	ok	
b) Throttle treadle valve	ok	
c) Parking brake valve	ok	
d) Double check valves	ok	
e) Air cylinders		
f) Pressure protection valves	ok	
g) Air reservoirs and drains	ok	
h) Air fittings and lines	ok	
i) Air solenoids	ok	
5) Dual air system test/front and rear brake systems	ok	
6) Operation and maintenance of air dryer/dryers	ok	



ARFF VEHICLE INSPECTION CHECKLIST

SYSTEMS/COMPONENTS TO BE CHECKED	INSPECTION RESULTS	COMMENTS/RECOMMENDATIONS
ELECTRICAL SYSTEM CONDITION, OPERATION, AND ATTACHMENTS		
1) 12 volt charging system voltage. Spec: 13.5 to 15 Volts @ 1000 RPM, each alternator		
a) Alt. one	ok	
b) Alt. two	OK	
2) Battery voltage. Spec: 12.6 Volts Static	ok	
3) Operation of neutral safety circuit	ok	
4) P.A. and siren system	ok	
5) Vehicle lights	ok	
6) Optional lights	ok	
7) Electrical system components.		
a) Gauges	ok	
b) Relays	OK	
c) Solenoids	OK	
d) Directional/Flashers	ok	
e) Heater and A/C	ok	
f) Defroster	OK	
g) Control switches	ok	
h) Wipers	ok	
i) Horn	ok	
j) Wiring and connections	ok	
k) Electric fuel pump	ok	
8) Interface of electrical system with air system	ok	
FIREFIGHTING SYSTEM CONDITION, OPERATION, LEAKS, AND ATTACHMENTS		
1) Engine speed pumping. Spec: 2025 RPM	ok	
2) Water system pressure pilot on, 240 psi	ok	



ARFF VEHICLE INSPECTION CHECKLIST

SYSTEMS/COMPONENTS TO BE CHECKED	INSPECTION RESULTS	COMMENTS/RECOMMENDATIONS
3) Fire system components		
a) Relief valve	ok	
b) Pilot valve (clean strainer)	ok	
c) Ball valves, air/electronic solenoid valves	ok	
d) Drain valves	ok	
e) Fittings and hoses	ok	
4) Water tank and attachments, and Sub-frame mounting.	ok	
5) Water pump, supply piping, discharge piping	ok	
6) Water and foam level lights and sensors.	ok	
7) Operation of hydraulic wing clutch.	ok	
8) Operation of modulating clutch	ok	
9) Controls and operation of dual flow roof / bumper turret(s)	ok	
10) Water pump pressure with roof turret on high flow.	ok	
11) Water pump pressure with dual flow bumper turret on high flow	ok	
12) Range of dual flow roof and bumper turret(s) on high flow	ok	
Spec: STA-1500, 190 Feet (58 m)		
Spec: STA-3000, 250 Feet (76 m)	ok	
Spec: STA-4500, 250 Feet (76 m)		
13) Controls and operation of bumper turret, flow 300 or 500 gpm.	ok	
14) Water pump pressure of single flow bumper turret 300 or 500 gpm		
15) Bumper turret range - Spec: 150 Feet (46 m)		
16) Controls and operation of handline(s)	ok	
17) Handline range - Spec: 65 Feet (20 m) straight stream	ok	
18) Preconnect handline with air activation w/teather	ok	
19) Operation of side panels/structural firefighting panel		
20) Operation of 2-1/2" (63.5 mm) optional accessory piping discharge valve cables		



ARFF VEHICLE INSPECTION CHECKLIST

SYSTEMS/COMPONENTS TO BE CHECKED	INSPECTION RESULTS	COMMENTS/RECOMMENDATIONS
21) Winterization system		
a) Heater Operation	ok	
b) Recirculating Pumps	ok	
c) Heater Hose Routing	ok	
d) Compartment Heater Operation	ok	
FOAM PROPORTIONING SYSTEM CONDITION, OPERATION, AND LEAKS		
1) Foam tank	ok	
2) Foam supply / discharge piping and attachments	ok	
3) Foam system components		
a) Ball valves, indexing	ok	
b) Check valves	ok	
c) Metering valve	ok	
d) Proportioner/Inductor	ok	
e) Fittings and hoses	ok	
f) Drain valves	ok	
5) Induction valve operation	ok	
6) Roof turret foam proportioning. 6% = 5.5/7.0% - 3% = 2.8/3.5%		
7) Bumper turret foam proportioning. 6% = 5.5/7.0% - 3% = 2.8/3.5%		
8) Handline(s) foam proportioning 6% = 5.5/8.0% - 3% = 2.8/4.0%		
a) Left hand upper		
b) Left hand lower		
c) Right hand upper		
b) Right hand lower		
9) Undertruck nozzles 6% = 5.5/8.0% - 3% = 2.8/4.0%		
10) Operation of flushing systems (optional)		



ARFF VEHICLE INSPECTION CHECKLIST

SYSTEMS/COMPONENTS TO BE CHECKED	INSPECTION RESULTS	COMMENTS/RECOMMENDATIONS
DRY CHEMICAL SYSTEM (OPTIONAL) CONDITION, OPERATION, AND ATTACHMENTS		
1) Controls and operation of dry chemical and or halotron system	ok	
2) Argon/Nitrogen cylinder pressure. Spec: 1750 psi (12,065 kpa) minimum, 2500 psi (17,236 kpa) maximum	ok	
3) Discharge pressure Spec: 225 + 5 psi (1,551 + 34 kpa)	ok	
SNOZZLE		
1) Snozzle operation, hydraulic and manual operation of systems.	n/a	
a) snozzle, hydraulic pressure Spec: 2800 psi (19,305 kpa) max.		
b) Water pressure at base of the Snozzle - 180 psi (1,241 kpa)		
c) Operation of backup systems, manual controls and hydraulics		
LOW ATTACK	ok	
1) Operation, hydraulic & manual operation of systems		
REFERENCE MATERIAL		
a) Water pump pressrue		
STA 240 psi (1,655 kpa)		
b) Flow rate for dual flow turrets.		
Spec: STA-1500 375/750 gpm (1,419/2,839 lpm)		
Spec: STA-3000 625/1250 GPM (2,366/4,732 lpm)		
Spec: STA-4500 625/1250 GPM (2,366/4,732 lpm)		
c) Flow rates for the Snozzle.		
Spec: STA-1500 375/750 gpm (1,419/2,839 lpm)		
Spec: STA-3000 500/1000 gpm (1,892/3,785 lpm)		
Spec: STA-4500 500/1000 gpm (1,892/3,785 lpm)		
d) Foam proportioning		
Spec: NFPA 412		
Halotron has a static pressure of 100 psi @ 70°F (689kpa @		
21° C) see refill instructions for halotron, Group 60J		
ADDITIONAL COMMENTS /RECOMMENDATIONS		
rear access ladder right side latch spring failed		
battery cables pinched between frane and tray		
low attack cylinder leaking at shaft seal		