

# EMSALPHA.COM DRIVER/OPERATOR - PUMPER PRACTICAL STATION NOTES

## INSIDE INSPECTION (10 MIN)

Check that wheels are chocked.  
Check correct position of mirrors.  
Check all controls and gauges (vehicle on).  
**Check fuel levels, verbalize when refill required.**  
Check all interior lights.  
Check horn (verbalize).  
Check audible and visual warning devices (verbalize).  
Test brake pressure by operating foot pedal.  
Check SCBA.  
Check headlights.  
Check windshield wipers.  
Inspected seats for tears and adjustability.  
Check seat-belts for operation and wear.  
Check emergency and parking brakes.  
Check steering wheel adjustment and reaction. 10% each way.  
Check heater/air conditioner operation.  
Check clutch pedal.  
Check turrets.  
Check communication systems.  
Document inspection according to SOG.

## OUTSIDE INSPECTION (10 MIN)

Check that wheels are chocked.  
Check body panel for rust, dents or exposed areas needing paint.  
Check tires for proper inflation and condition.  
Check wheel lugs for tightness.  
Check exterior lights for operation and damage.  
Check weather seals around cab and doors for looseness, damage.  
Inspected windows for cracks or discoloration.  
Check battery terminals and clean as needed (verbalize).  
Check battery cables for loose connections (verbalize).  
Check electrolyte level and add water as needed (verbalize).  
**Check for fuel or oil leaks.**  
Check hose lines.  
Check portable extinguishers.  
Check equipment inventory.  
Operate power tools (verbalize).  
Document inspection according to SOG.

## ENGINE INSPECTION (10 MIN)

Check that wheels are chocked.  
**Check under vehicle for leaks.**  
Check all drive belts for wear or defects, adjusted as needed.  
Check coolant overflow reservoir and fill as needed.  
Check cooling fan, cooling system hoses and radiator.  
Checked coolant level, color and cleanliness and filled, if necessary.  
Check all oil levels. Check all hydraulic fluid levels.  
Check brake/master cylinder fluid level and filled as needed.  
Check power steering reservoir and fill as needed.  
Check automatic transmission fluid level, hot and cold.  
Check windshield washer fluid level.  
Check exposed wiring for breaks, loose connections and insulation frays.  
Check exhaust system for damage.  
Check air system for leaks with the air system and engine shut off.  
Document inspection according to SOG.

## FIRE PUMP INSPECTION (10 MIN)

Check that wheels are chocked.  
Open all pump drains and flush sediment.  
Check pump primer oil level.  
Operated pump primer with all pump valves closed (verbalize).  
Operated changeover valve while pumping from booster (2-stage only).  
Operate all valves, including pressure control device.  
Check all other pump panel instruments for proper operation.  
Operated valves in auxiliary cooling system.  
**Check water level.**  
Checked water tanks for leaks.  
Check foam/tank.  
Check foam tank for leaks.  
**Complete task within time limits with no safety violation.**

## OVER-THE-ROAD DRIVING (20 MINUTES)

**Demonstrate responsibility and concern for safety of apparatus and personnel while driving apparatus.**

Properly adjust mirrors.

**Adjusted speed for weather.**

**Adjust stopping distances.**

**Fasten seat belt.**

### 4 Left Turns - Activate the left turn signal.

Check the side and rearview mirrors.

Move vehicle to left lane when necessary.

Check for oncoming traffic. Check to see if side street or road is clear.

Made safe left turns.

### 4 Right Turns - Activated the right turn signal.

Check the side and rearview mirrors.

Move vehicle to left lane if necessary.

Check for oncoming traffic. Check to see if side street or road is clear.

Made safe right turns.

### Drive straight section of road or highway

Maintain vehicle speed and safe following distance.

Check for oncoming traffic. Check the side and rearview mirrors.

Check to see if side street or road is clear.

### Pass through intersection - Approach intersection with caution.

Brought apparatus to complete stop if necessary.

Check for traffic on the left, right and left again.

Safely proceed through intersection.

### Pass through intersection with stop - Approach intersection with caution.

**Brought apparatus to complete stop.**

Check for traffic on the left, right and left again.

Safely proceed through intersection.

### Railroad crossing - Approached crossing with caution.

Checked tracks - left and right. Stopped when necessary.

Proceeded across tracks when safe to do so.

### Curve in highway - Slow vehicle before entering curve.

Adjust speed as required. Maintain safe control of vehicle.

### Enter Limited Access Highway - Check traffic while on entrance ramp.

Adjust speed of vehicle to match flow of traffic.

**Activate turn signal.**

Check side and rear view mirrors.

Move vehicle from acceleration lane to highway safely.

### Change lanes on highway - Activate turn signal.

Check side and rear view mirrors. Safely complete lane change.

### Exit Limited Access Highway - Activate turn signal.

Check side and rear view mirrors.

Safely move vehicle into deceleration lane.

Slow vehicle and exit safely.

### Downgrade - Downshift before entering grade (if applicable).

Make sure vehicle remains in gear. Use brakes and lower gears.

Maintain proper engine RPM.

### Upgrade - Downshift standard transmission to maintain rpm and speed.

### Underpass or low clearance - Approach with caution.

Check to see if underpass height marked.

Stop and check for proper clearance if it's not apparent.

Proceed only when sure it is safe to do so.

**Complete task within listed time limits with no safety violations.**

# **EMSALPHA.COM DRIVER/OPERATOR - PUMPER PRACTICAL STATION NOTES**

## **SERPENTINE (12 MINUTES)**

**Fasten seat belt.**

Drive apparatus along left side of markers in a straight line and stopped just beyond the last barrel/cone.

**Back the apparatus between the markers by passing to the left of #1, to the right of #2 and to the left of #3 and stop beyond the last barrel/cone without stopping to change direction.**

**Drive vehicle forward and to the right of #3, left of #2 and right of #1 without stopping to change direction.**

**Use all applicable warning devices.**

**Complete exercise without striking cones** (each hit cone is a major).

**Completed task within listed time limits with no safety violations.**

## **DIMINISHING CLEARANCE (12 MINUTES)**

**Fasten seat belt.**

Proceed from wide to narrow end.

**Stop within 3 feet of finish line.**

Come to complete stop in a smooth and safe manner.

**Back vehicle through course using mirrors until clear of all cones.**

**Use all applicable warning devices** (forward only).

**Complete exercise without striking cones** (each hit cone is a major).

**Complete task within listed time limits with no safety violations.**

## **ALLEY DOCK OR STATION APPARATUS BACKING (12 MIN)**

**Fasten seat belt**

Passed the "barricades" marking the loading dock on the left.

Using side mirrors, backed apparatus by a left turn into the loading dock.

Using side mirrors, backed apparatus by a right turn into the loading dock.

Come to a complete stop in a smooth and safe manner.

Stopped where and when directed.

**Use spotter when backing.**

**Complete exercise without pulling forward.**

**Complete exercise without striking cones and/or obstructions.**

**Completed task within time limits with no safety violations.**

## **CONFINED SPACE TURNAROUND (12 MINUTES)**

**Fasten seat belt.**

Pull into designated area through opening.

Make confined space turnaround.

Back up at least once using spotters and mirrors.

Exited area through same opening.

**Complete exercise without striking obstruction or extending over the boundary lines of the space** (each struck cone counts as a major).

**Completed task within time limits with no safety violations.**

## **SINGLE 1-1/2 OR 1-3/4 HAND LINE (7 MINUTES)**

Pumper positioned at water source.

**Set wheel chocks.**

Assemble hose lines, nozzles, valves and appliance.

**Properly engage pump and selects proper gear in transmission.**

**Open tank-to-pump.**

**Open discharge and throttles to proper pump discharge pressure.**

Proper use of pump controls and gauges.

**Properly set pressure control device.**

Switches from water tank to external water source.

Close tank to pump valve.

Operate auxiliary cooling system.

Candidate will monitor intake/inlet pressure.

**Do not run out of water.**

Properly refill water tank.

Prepare for operation of multiple hand lines.

**Complete task within listed time limits with no safety violations.**

## **SINGLE 2-1/2 HAND LINE (5 MINUTES)**

**Properly engage pump and select proper gear in transmission.**

Verify water supply or draft maintaining proper intake pressure.

**Open discharge and throttle to proper pump discharge pressure for all lines.**

Proper use of pump controls and gauges.

**Properly set pressure control device.**

**Properly shut down hand lines.**

**Reduce pressure and disengage pump.**

Properly shuts down the operation.

**Completed task within listed time limits with no safety violations.**

## **PUMP TO MULTIPLE HAND LINES (10 MINUTES)**

Verify water supply or draft maintaining proper intake pressure.

**Properly engage pump and select proper gear in transmission.**

**Charges both hand lines to proper discharge pressure.**

Proper use of pump controls and gauges.

**Properly sets pressure control device.**

**Properly shut down hand lines.**

**Reduces pressure and disengages pump.**

Properly shuts down the operation.

**Complete task within listed time limits with no safety violations.**

## **PUMPING EVOLUTIONS**

Verify water supply or draft.

**Properly engage pump and select proper gear in transmission.**

### **Portable Master Stream (7 minutes)**

**Place pump in proper series/pressure or parallel/volume.**

**Charge master stream line to correct discharge pressure.**

Proper use of pump controls and gauges.

**Monitor intake/inlet pressure.**

**Properly set pressure control device.**

**Properly shut down lines.**

### **Relay Pumping (7 minutes)**

**Place pump in proper series/pressure or parallel/volume.**

**Charge supply line to correct discharge pressure.**

Proper use of pump controls and gauges.

**Properly set pressure control device.**

**Monitor intake/inlet pressure.**

**Properly shut down relay operation.**

### **Sprinkler or standpipe system (7 minutes)**

**Charge lines to correct pump discharge pressure.**

Proper use of pump controls and gauges.

**Monitor intake/inlet pressure.**

**Properly set pressure control device.**

**Properly shut down standpipe/sprinkler operation.**

### **Foam Operation (7 minutes)**

**Activate foam system or install proportioning appliance.**

**Charge lines to correct pump discharge pressure.**

Proper use of pump controls and gauges.

**Properly set pressure control device.**

**Monitor intake/inlet pressure.**

**Properly shut down foam operation.**

**Properly flushes foam system and appliances.**

**Reduce pump pressure and disengage pump.**

**Complete task within listed time limits with no safety violations.**