

Editor's note: The following checklist is based on information provided by Bill Vanden Brook, Fleet Service Superintendent for the City of Madison, Wis. The National Fire Protection Association (NFPA) also publishes similar checklists in its 1911 Standard for the Inspection, Maintenance, Testing and Retirement of In-Service Automotive Fire Apparatus, 2007 Edition.

Pumper

Every 1000 hours or 12 months

Road Test and In-Cab Inspection

Check the following

- Starting
- Throttle pedal - check for smooth operation and return ability
- Warning lights and alarms operation, damage
- Air pressure warning devices
- Governor cut in pressure
- Air pressure build up time
- Engine operation
- Instruments and gauges
- Switches and accessories
- Heater and defroster controls and operation
- Air Conditioning - Inspect sight glass,
- Wipers and washers condition and operation
- Interior lights
- Windshield, windows and visors
- Steering wheel for play and binding
- Shifting
- Seats - Condition, operation, lube adjuster slides
- Seatbelts
- Parking brake
- Check cab air filter and replace if needed

Walk Around Inspection

- Ward fuel system - scan fuel system to check for correct readings, unit, meter, meter type and fuel type
- Door, latches, locks, hinges, slides and tracks - lube thoroughly wiping excess off afterward
- Lube and inspect step pivots and drain air steps
- Lube outriggers
- Lube gate valves
- Check pump panel lights
- Check pump gauges, water
- Heat tapes and sender
- Water tank
- Tank valve
- Drain valves
- Panel gauges, tack, oil, temp
- Primer operation
- Pump throttle
- Road pump shift
- Ground ladders
- Operation pump
- Pump panel radio
- Pump test
- Check air bottle dates for need of service
- Check cab tilt fluid
- Before raising cab remove or secure all loose items

- Mirrors - mountings, brackets and heaters if applicable
- Run engine while checking lights or batteries may run down
- Lighting safety, compartment, in-cab and warning operation / damage
- Lights - Brake, turn, back-up, 4-ways, emergency
- Back-up alarm
- Fuel tank mountings, lines and caps
- Exhaust system
- Battery - hold downs, mountings, box, connections, corrosion and electrolyte
- Clean and individually load test each battery, be sure to unplug ship to shore while performing tests
- Decals and vehicle numbers
- Air system for leaks
- Drain air tank valves until water is removed.
- Safety stands operation and damage
- Check hydraulic fluid level, top off if needed
- Clean out water strainer and foam strainer on the Husky system
- Take hydraulic oil sample (Test Kit D)
- Change hydraulic filter
- Foam System Service Maintenance as shown in the operator and maintenance manual section

Under Vehicle Inspection

- Change engine oil and filter
- Change fuel filter
- Change water pump transmission fluid
- Change power steering filter
- Change power steering fluid
- Change desiccant air step filter
- Change air dryer filter
- Change coolant filter
- Change cab air filter
- Take sample of transmission fluid using your fluid test kits and send to Debbie
- Grease all fittings
- Inspect frame ground for electrical system
- Steering box and mountings
- Steering shaft and linkage
- Inspect steering stops for proper adjustments
- Upper and lower ball joints for wear
- Motor mounts
- Starter mountings and connections
- Air dryer - test purge pressure
- Transmission leaks
- Transmission mounts
- Drive line, U-joints
- Springs, hanger and shackles - check torque and tighten spring u-bolts
- Axle housing, breathers and oil level
- Brakes - check fundamental brake system and parts for wear, damage and correct operation
- Remove front tires to check front brake linings
- Brakes - check push rod stroke, if out of adjustment diagnose brake problem
- Hubs - check for leaks and proper oil level
- Tires - pressure, valve stems, caps, irregular wear, damage, need replacing
- Wheels - damage, cracks, and wear
- Alcohol evaporator, open drain valve, if contaminated completely drain and refill otherwise top off

Engine Compartment Inspection

- Engine oil - refill, run engine and recheck oil level
- Alternator output test
- Alternator - mounting and wiring

- Check intake manifold and compressor intake flange for looseness, if tightening is needed consult manual
- Air intake tubes and clamps
- Air inlet for debris, dirt or plugging
- Electrical connections - tightness, corrosion, integrity
- Lube cab tilt pivots
- Check air filter minder - change air filter if needed
- Check pre cleaner (ember filter) replace as needed
- Radiator mountings and core, clean out radiator if needed
- Fan assembly and shroud
- Vibration dampener
- Coolant - hoses, clamps, recovery system, protection and leaks
- Coolant extended life - at 5 years or 12000 hours of date on radiator flush system
- Coolant extended life - If flushed mark date and meter on radiator near fill cap
- Belts and hoses
- Fuel pump throttle linkage
- Drain fuel water separator
- Power steering fluid level, hoses, gear box and leaks
- Turbo charger
- Transmission fluid level
- Perform minor repairs and any other services as required or recommended
- Report any repairs needed on work order and to Foreman