QUARTERLY / ANNUAL
MOBILE FIRE APPARATUS INSPECTION REPORT

Inspection date _____

Fire department _____ Apparatus no. _____

Apparatus

Manufacturer _____

Model _____

Serial no. _____

Hourmeter _____

Chassis

Make _____

Model _____

VIN _____

Odometer _____

Legend:

X = Acceptable visually, checked R = Requires repair or adjustment
U = Unsafe condition requires repair prior to use C = Corrected NA = Not applicable

CHASSIS INSPECTION

Engine and Cooling Systems

_____ **Oil level and condition**
_____ **Oil leaks**
_____ **Coolant level**
_____ **Antifreeze protection**
_____ **Coolant additive level**
_____ **Fuel system for leaks**
_____ **Fuel system plumbing condition**
_____ **Power steering fluid level**
_____ **Power steering pump and plumbing**
_____ **Coolant hose condition and leaks**
_____ **Alternator mounting brackets**
_____ **Alternator connections**
_____ **Charging system output _____ volts**
_____ **Auxiliary cooler connections**
_____ **Battery condition and hold downs**
_____ **Battery cables and clamps**
_____ **Battery fluid level**
_____ **Battery terminal voltage _____ volts**
_____ **Chassis grounds and connections**
_____ **Starter motor cable condition**
_____ **Starter motor operation**
_____ **Fan mounting bolts and adjustment**
_____ **Fan shroud clearance and condition**
_____ **Fan clutch or shutters operation**
_____ **Air filter element condition**
_____ **Air intake tubes and hoses**
_____ **All belts condition and adjustment**
_____ **After-cooler or intercooler tubes and hoses**
_____ **Motor mount condition**
_____ **Radiator cap pressure**

Comments on engine and cooling systems inspection _____

_____

_____

_____

_____

Chassis and Components

Fluid levels

_____ Lubricate chassis
_____ All fluid levels

Steering

_____ Steering linkage and tie rods
_____ Steering box mounting
_____ Steering system plumbing for leaks
_____ Manual steering box fluid level

Transmission

_____ Auto trans fluid level
_____ Auto trans mounting and condition
_____ Auto trans and plumbing for leaks
_____ Auto trans lockup system
_____ Manual trans oil level
_____ Manual trans mounting
_____ Manual trans for leaks

Fuel

_____ Fuel tank and plumbing for leaks
_____ Fuel tank mounting

Tires/Wheels

_____ Tire and wheel conditions
_____ Lug nuts for torque
_____ Tire tread depth Front _____ Rear _____
_____ Tire air pressure Front _____ Rear _____

Driveline

_____ Driveline U-joints and yokes
_____ Driveline carrier bearings
_____ Differential oil level and leaks

Front axle

_____ Front spring and shock condition
_____ Front wheel bearings and king pins

Rear axle

_____ Rear spring condition
_____ Rear spring torque tubes and shocks
_____ Axle flanges for leaks and tightness
_____ Frame rails and cross members

Brakes

_____ Brake condition (amount of material)
_____ Brake adjustment and operation
_____ Air brake valves and tanks
_____ Lubricate brake pedal pivot pin
_____ Drain air tanks and check air dryer
_____ Air brake lines and chambers
_____ Air brake leaks and buildup
_____ Hydraulic brakes for leaks
_____ Hydraulic brake components
_____ Hydro-vac operation and mounting
_____ Parking brake operation

Exhaust system

_____ Exhaust system and muffler

Comments on chassis and components inspection _____
_____
_____
_____
_____

Cab and Body

Cab

_____ Cab mounting and tilt mechanism
_____ Cab frame and sheet metal
_____ Cab hoist motor solenoid volt-drop_____volts
_____ Door mounting and latches
_____ Cab glass condition
_____ Cab seat condition and mounting
_____ Seat belt condition and mounting
_____ Steering wheel mounting and alignment
_____ Horn operation
_____ Heater and defroster operation
_____ Throttle controls and linkage
_____ Window operation
_____ Auto transmission shift controls
_____ Manual transmission shift controls
_____ Clutch pedal linkage
_____ Clutch pedal free play
_____ Windshield wipers and washers
_____ Mirror condition and mounting

Body

_____ Compartment door latches
_____ Compartment door and hinge condition
_____ Body compartment condition
_____ Step and auxiliary equipment condition

Comments on cab and body inspection _____
_____
_____
_____
_____

Cab and Body Electrical

_____ Headlights and high beans
_____ Parking and clearance lights
_____ Tail and stop lights
_____ Backup lights and alarm
_____ Turn signal and hazard operation
_____ Cab spot lights operation
_____ Auxiliary light operation
_____ Front warning lights
_____ Rear warning lights
_____ Front beacon lights
_____ Intersection warning lights
_____ Body deck lights
_____ Compartment lights
_____ Siren operation and mounting
_____ Siren solenoid voltage drop_____volts
_____ Voltage drops of all solenoids

List solenoids and voltage drop below
_____
_____Solenoid_____Voltage Drop _____
_____
_____
_____
_____

Comments on cab and body electrical inspection _____
_____
_____
_____
_____

Line Voltage Inspection

_____ Power source
_____ Generator drive engine or power drivetrain
_____ Cord reels and receptacles
_____ Electrically-driven equipment
_____ Electrical controls
_____ Output voltage_____volts
_____ Output frequency _____ Hz

Comments on line voltage electrical inspection _____
_____
_____
_____
_____

Road and Operational Test

_____ Engine oil pressure
_____ Engine coolant temperature
_____ Tachometer operation
_____ Auto transmission shifting
_____ Clutch release and operation
_____ Manual transmission shifting
_____ Brake operation
_____ Drive line vibration
_____ Air compressor operation
_____ Air compressor governor setting
_____ Speedometer operation
_____ Shimmey or front end noises
_____ Clutch fan or shutter operation

Comments on road and operational test _____
_____
_____
_____
_____

PUMP AND WATER TANK INSPECTION

Pump manufacturer _____ Model _____ S/N _____
Pump location _____ Pump hours _____ Capacity _____

_____ Pump shift and indicator lights
_____ Automatic transmission lockup system
_____ Clutch disengagement and manual transmission
_____ Pump transmission shift cylinders or motor
_____ Pump transmission oil level and condition
_____ Pump panel techometer and engine gauges
_____ Pump plumbing
_____ High pressure pump system
_____ Pressure control device operation and response time
_____ Transfer valve operation
_____ Intake relief operation
_____ Primer operation
_____ Dry vacuum test
Initial reading _____in. vacuum

Leakage in 5 minutes _____in. vacuum
_____ Primer motor solenoid voltage drop _____volts
_____ Pump packing - adjust if necessary
_____ Mechanical seals for leaks
_____ Discharge and intake valves
_____ Valves, linkage, remote rods, and pivot points

_____ Engine speed counter
_____ Pump panel electrical swithces and panel light
_____ Master gauges for accuracy and operation
_____ Discharge gauges for accuracy and operation
_____ Water tank indicator system
_____ Pump
_____ Drain valves
_____ Tank-to-pump and tank fill valves
_____ Auxiliary cooler
_____ Suction strainer
_____ Preconnect valves and plumbing
_____ Deck gun valve and plumbing
_____ Front or rear suction valves and plumbing and valves
_____ Auto-lube level and fluid condition

_____ Water tank mounting and integrity
_____ Booster reel mounting and operation
_____ Anodes in tank and pump
_____ Reel motor solenoid voltage drop_____volts
_____ Pump mounting integrity
_____ Pump driveline U-joints, yokes and flanges

Comments on pump and tank inspection _____
_____
_____
_____
_____

FOAM PROPORTIONING SYSTEM INSPECTION

Foam system manufacturer_____ Model_____ S/N_____

_____ Instrumentation, gauges, and controls
_____ Strainer or filter
_____ Foam concentrate pump
_____ Lubricant level and condition
_____ Hydraulic pump
_____ Hydraulic system
_____ Hydraulic fluid tank mounting and integrity
_____ Foam concentrate tank mounting and integrity
_____ Foam eductor system, metering, and check valve

Comments on foam proportioning system inspection _____
_____
_____
_____
_____