



GOLDER RANCH FIRE DISTRICT

Engineer Practical Check Sheets

Apparatus Truck Check / 360 Walk Around

Standards:

NFPA 1010 Section 1002: 4.2.1, 4.2.1(1-11), 4.2.1(B)
NFPA 1010 Section 1002: 4.2.2, 4.2.2(B)
NFPA 1010 Section 1002: 5.1.1, 5.1.1(1-3), 5.1.1(B)
NFPA 1010 Section 1002: 6.1.1, 6.1.1(1-7), 6.1.1(B)
NFPA 1010 Section 1002: 10.1.1, 10.1.1(1-4), 10.1.1(B)

Task/Performance Outcome:

The Driver Operator shall be given the objective of completing an apparatus truck check or 360 walk around on a given apparatus. Upon completing this objective, the driver operator shall be able to identify if the apparatus is out of service or has any discrepancies but is able to remain in service. Upon completion of the 360 walk around the driver operator shall be able to determine if the apparatus is ready to be operated.

Required Personal Protective Equipment (PPE):

Class C uniform, structure helmet, utility gloves, safety glasses, hearing protection.

Required Equipment:

- Engine or Aerial apparatus
- Oil rag
- Tape measure
- Air pressure gauge
- Tread depth gauge
- Spray lubricant

Critical Fail Criteria:

Failure consists of the following:

- Failure to place wheel chocks prior to getting under apparatus
- Failure to wear the required PPE (when necessary)
- Failure to accurately complete a DOT brake inspection
- Failure to ensure slack adjusters are within allowed distance
- Glaring, gross errors, as documented by the evaluator
- An apparent lack of efficiency and comfort with the activity, as documented by the evaluator
- Less than 80% of available points scored
- Greater than 1 hour

Evolution Details:

The evaluator will advise the candidate on which inspection to complete on a given apparatus. The candidate must complete the inspection by himself or herself, unless the candidate needs assistance to complete a task with a partner. The candidate must be able to confirm if the apparatus is in service for operation or free and able to be operated. If discrepancies are found the candidate must appropriately notify their chain of command of the discrepancies and ensure they are documented appropriately. If apparatus is deemed out of service the candidate must remove apparatus from service through their chain of command and ensure the apparatus is not operated.



GOLDER RANCH FIRE DISTRICT

Engineer Practical Check Sheets

Apparatus Truck Check

Candidate Name:	Date:	
Exterior		
Time starts upon instructor prompt. 60 minutes for completion.	Points Available	Points Earned
Exterior: Walk around and inspect the cab, body, and decals	1	
Exterior: Inspect for loose steps and handles	1	
Exterior: Inspect condition of all reflectors and lights	1	
Exterior: Inspect if the apparatus is leaning	1	
Exterior: Secure all exterior equipment and compartments	1	
Exterior: Inspect lug nuts, tire, and wheel condition	3	
Exterior: Inspect the tire pressure and tread depth (min 6/32)	2	
Exterior: Inspect duals for objects stuck between tires	1	
Section Total	11	
Operations		
Operations: Inspect the operation of all DOT lights (example: license plate, etc)	1	
Operations: Perform complete and accurate 10 point DOT air-brake inspection **Critical Fail Criteria**	CFC	
Operations: Inspect the operation of all audible devices	2	
Operations: Inspect the back-up alarm/lights (two person task)	2	
Operations: Inspect the operation of all emergency lights and Opticom	2	
Operations: Inspect gauge for proper air pressure cut-off (120-125 psi)	1	
Section Total	8	
Undercarriage **Critical Fail Criteria** Eye/Hearing protection and utility gloves required		
Undercarriage: Inspect fuel lines, fuel tank and straps	1	
Undercarriage: Inspect slack adjusters for all chambers (2-person task)	2	
Undercarriage: Drain all air tanks and inspect for contamination/moisture	2	
Undercarriage: Inspect rear leaf springs, U-bolts and axles	3	
Undercarriage: Inspect exhaust systems for leaks, loose or broken clamps	1	
Undercarriage: Inspect for fluid leaks (Can identify leak types 1, 2 or 3)	3	
Undercarriage: Inspect air lines for leaks and contact rubbing points	2	
Section Total	14	



GOLDER RANCH FIRE DISTRICT

Engineer Practical Check Sheets

Engine Compartment (Cab Tilted)		
Critical Fail Criteria		
Helmet, eye/hearing protection and utility gloves required		
Engine Compartment: Inspect the engine oil level (engine off & cool)	2	
Engine Compartment: Inspect the engine coolant level (engine off & cool)	2	
Engine Compartment: Inspect power steering and transmission fluid levels (engine running at operating temperature)	3	
Engine Compartment: Inspect the windshield washer fluid level	1	
Engine Compartment: Inspect the condition of all batteries and cables	2	
Engine Compartment: Inspect all belts and hoses	2	
Engine Compartment: Inspect the condition of the engine fan	1	
Engine Compartment: Inspect the frame and drive lines for loose hardware	2	
Engine Compartment: Inspect the engine, transmission, and radiator mounts	3	
Engine Compartment: Inspect the fuel pump for leaks	1	
Engine Compartment: Inspect the steering box, shafts, and linkages	3	
Engine Compartment: Inspect the front leaf springs, U-bolts and axles	3	
Section Total	25	
Interior Cab		
Cab: Inspect all mirrors and adjustment controls	1	
Cab: Inspect the operation of the defrost and climate controls	1	
Cab: Inspect the DEF level **(If applicable)**	1	
Cab: Inspect for excessive steering wheel free-play (<2")	1	
Cab: Inspect the operation of all doors and windows	2	
Cab: Inspect the condition of all seats and seat belts	2	
Cab: Inspect the windshield and all glass for chips and cracks	1	
Cab: Start engine and inspect operation of all panel gauges	2	
Cab: Report warning lights that remain on (example: ABS, etc.)	1	
Cab: Inspect operation of windshield wipers and washers	2	
Section Total	14	



GOLDER RANCH FIRE DISTRICT

Engineer Practical Check Sheets

Detailed Pump Check **Critical Fail Criteria** Helmet and utility gloves required		
Pump: Inspect under pump housing for excessive water leaking	1	
Pump: Puts truck in pump gear	1	
Pump: Pulls tank-to-pump and tank fill levers	1	
Pump: Inspect water tank and foam level indicators	1	
Pump: Throttles truck between 1,000-1200 rpm	1	
Pump: Pulls primer	1	
Pump: Inspect the pump housing and tank for leaks	1	
Pump: Operate throttle and confirm pressure increase on gauge	1	
Pump: Operate all cooler valves	1	
Pump: Inspect apparatus system gauges **(must match cab)**	1	
Pump: Inspect operation of booster reel **(if equipped)**	1	
Pump: Throttles truck up to check relief valve setting	1	
Pump: Exercise discharge relief valve spring up/down, reset to desired relief pressure	1	
Pump: Installs nozzle on foam discharge line, turn Foam-Pro on, flow line with nozzle, verify foam system function. Turns off Foam-Pro and closes valve.	1	
Pump: Verifies throttle is at idle	1	
Pump: Places truck back in road mode	1	
Pump: Shuts truck off	1	
Pump: Leaves tank to pump open	1	
Pump: Opens all drains and removes all discharge caps and applicable pre-connected hose lines	1	
Pump: Exercise and lube all valves	1	
Pump: Close all drains and discharge valves, reconnect pre-connected lines	1	
Pump: Open 3" suction/intake valves and verify flow	1	
Pump: Close tank to pump valve, verify all other valves are closed	1	
Pump: Drain pump with master pump drain and through Jaffery valve	1	
Pump: Remove Jaffery and steamer caps (checks function and seals)	1	
Pump: Inspect and clean all intake screens and threads	1	
Pump: Re-install Jaffery valve, discharge caps and intake plugs	1	
Pump: Re-flood and prime pump	1	
Section Total	28	
Engine Apparatus Inspection Total Points (80/100)	100	

Evaluator: _____ Total: _____/100

Circle one:

Pass/Fail on points/Fail on critical criteria

Comments _____



GOLDER RANCH FIRE DISTRICT

Engineer Practical Check Sheets

Aerial/Platform (if applicable)

Candidate Name:	Date:	
Stabilizers		
Aerial Ladder & Platform	Points Available	Points Earned
Stabilizers: Inspect all mounting bolts	1	
Stabilizers: Inspect all hoses and cylinders for leaks	1	
Stabilizers: Inspect condition of all safety pins	1	
Stabilizers: Inspect for any contact rubbing points or exposed wiring	1	
Stabilizers: Inspect the operation of all control levers	1	
Stabilizers: Inspect the operation of all lights and alarms	1	
Section Total	6	
Chassis		
Chassis: Inspect the hydraulic fluid level	1	
Chassis: Inspect the hydraulic lines, hoses and tank for leaks	1	
Chassis: Inspect the mounting and operation of PTO and drive shafts	1	
Chassis: Inspect the mounting and operation of the hydraulic pump	1	
Chassis: Inspect the suspension and system bolts	1	
Chassis: Inspect the operation of the auxiliary pump	1	
Section Total	6	
Pedestal		
Pedestal: Inspect the turntable level	1	
Pedestal: Inspect the operation of the rung alignment light	1	
Pedestal: Inspect the operation of all safety devices	1	
Pedestal: Inspect the operation of all communication devices	1	
Section Total	4	
Aerial		
Aerial: Inspect all visible turntable bolts and hardware	1	
Aerial: Inspect all hydraulic lines for leaks	1	
Aerial: Inspect all cylinders for leaks and stability	1	
Aerial: Operate; elevate, extend, rotate and lower controls	1	
Aerial: Inspect the operation of all tip and platform controls	1	
Aerial: Inspect the ladder section base rails and rung covers	1	
Aerial: Inspect the condition of all sheaves	1	
Aerial: Inspect all cables for broken strands	1	
Section Total	8	
Engine Apparatus Inspection Points (80/100)	100	
Aerial Apparatus Inspection Total Points (99/124)	124	

Evaluator: _____ Total: _____/124

Circle one:

Pass/Fail on points/Fail on critical criteria

Comments _____



GOLDER RANCH FIRE DISTRICT

Engineer Practical Check Sheets

360 Walk Around

Candidate Name:	Date:	
Actions	Points Available	Points Earned
Open the fire apparatus bay door completely and checks for overhead obstacles or obstructions	1	
Walks completely around the fire apparatus	1	
Check that all doors are secured	1	
Check that all compartment doors are secured	1	
Check that all exterior-mounted equipment is properly secured	1	
Remove and debris from the running boards, front bumper, and tailboard	3	
Check that the area underneath the fire apparatus is clear of debris	1	
Check that the area in front of the fire apparatus is clear and free of debris	1	
Total Points (8/10)	10	

Evaluator: _____ Total: _____/10

Circle one:

Pass/Fail on points/Fail on critical criteria

Comments _____

