



Roseville, CA

(916) 241-5543 (916) 806-4088

Pre – Trip Inspection

Front of Truck

Clearance lights, turn signals (Left/ Right), 4- way flasher:
amber color, clean, works

Headlights (High/ low beam): clean, works

Under Tractor: no fluids leaking.

Tractor Unit: not leaning to one side.

Engine Compartment

Exhaust System: securely mounted, tightly connected, clamps, bolts tight, no leaks: if leaking I would see soot.

Water Pump: belt driven, securely mounted, not leaking.

Alternator: belt driven, well attached, wires securely fastened.

All Belts: no cracks, not frayed; no more than 3 quarters of an inch free play.

Coolant Tank: on level, cap tight, not leaking.

Dipstick: oil level above refill mark.

Air compressor: gear driven, well attached; not leaking.

Power Steering Fluid Tank: level above refill mark, cap tight, not leaking.

Steering Shaft, Pitman Arm, Drag link, Steering arm, tie rod: not cracked, not worn, not bent, secure.

Joint and Socket: not worn or loose; no missing bolts, nuts, cotter keys.

Steering Gear Box: securely mounted: not leaking, nuts, bolts tight.

Gear Box Hoses: well routed, not leaking, not bulging, clamps tight.

Frame: not cracked, not welded, no extra holes

Front Suspension

Spring Mounts: spring hangers not cracked, not broken, not loose, not missing bolts.

Leaf Spring: not cracked, not broken, not missing, not shifted.

U-Bolts: not cracked, not broken, not missing, not shifted.

Shock Absorbers: secure, no leaks.

Bushings: not missing, not damaged.

Front Brakes

Brake Chamber: well attached, not leaking, not cracked, clamps, nuts tight.

Brake Hoses: not cracked, not worn, securely connected, no leaks.

Slack Adjuster: not cracked, not broken, not loose, no missing parts, secure.

Push Rod: not more than 1 inch on release brakes.

Brake Linings: thickness at least quarter of an inch, no oil on gears.

Brake Drum: not cracked, not damaged: not loose, not missing bolts.

Front Axle

Inflation- check with gauge.

Condition - tread is evenly worn, no cuts, not bulging, not recap.

Depth- not less 4/32” of an inch.

Rim: not bent, not damaged; not welded.

Lug Nuts: all on level, no leaks.

Valve Stream And Cap: not missing, not leaking.

Side Of Vehicle

Turn Signals (Left/Right)- 4 - Way Flashers: amber color, clean, working order.

Mirrors And Brackets: well attached, not cracked, not loose, no missing bolts, secure.

Door: opens, closes properly; hinges and seal intact, secure.

Windows: clean, work properly.

Windshield Washer Fluid: on level; cap tight, not leaking.

Steps: well attached, screws tight, not damaged, free of debris.

Fuel Tank: securely mounted, straps tight; not leaking; fuel cap good seal, not leaking.

Catwalk: well attached, bolts tight, not damaged, free of debris.

Electrical Connector And Lines: good condition, not cut, not leaking.

Glad hands: no damage, good seal, not leaking.

Drive Shaft: not bent, universal joints well lubricated, free of debris.

Rear Axle

Two Tires I.C.D:

Inflation - check with gauge.

Condition - no cuts, no bulging, free of debris, good condition.

Depth - not less 2/32" of inch.

Two Rims: not cracked, not bent, not welded, no gap between two rims.

Axle Seal: no oil leak.

Lug Nuts: check same as front axle.

Two Valve Stems: not leaking, not missing caps.

Rear Brake System: brake chamber, brake hoses, slack adjuster, push rod.

Brake linings, brake drum - check same as front axle.

Suspension System: spring mounts, leaf spring, U-bolts check same as front axle.

Coupling System

Fifth Wheel Skid Plate: securely mounted, well lubricated, no gap between fifth wheel and trailer apron.

Apron: not bent, not broken.

Fifth Wheel Platform: well attached to frame; nuts bolt are tight.

Sliding Pintle: secure, no missing nuts, bolts, cotter in place.

Mounting Bolts: no loose, not missing.

Locking Pin: lock position.

Release Handle: lock position.

Lock Jaws: securely attached to king pin.

King Pin: not crack, not bent.

Rear of Truck

Splash Guards: well attached, not damaged, nuts tight.

Rear Reflectors: clean, shiny.

Rear Lights: clean, red color, in working order, turn signals (left/right). 4-way flasher, tail light, brake light, back up light.

Trailer

Air Connectors: seal, good condition.

Electrical Connector: firmly seated, locked.

Marker Light: clean, work.

Reflectors: clean, shiny.

Landing Gear: fully raised, no missing parts, secure.

Support Frame: not damaged.

Crank Handles: secure.

Trailer Frame, Cross Members: not cracked, not bent, not damaged, no missing parts.

Floor: no holes, not damaged, secure.

Trailer Axle

Brake System: check brake chamber, brake hoses, slack adjuster, push rod, brake lining, brake drum, check same as front axle.

Suspension System: check spring mounts, leaf springs, U-bolts, shock absorbers, bushing, check same as front axle.

Air Bags: well attached, not cracked, not leaking, no bulging.

Torque Arm: well attached, not bent, good bushing.

Tires (L.C.D):

Inflation: check with gauge.

Condition: no cuts, no damage, good condition, free of debris.

Depth: 2/32” inch.

Rim, Lug Nuts, Hub Oil Seal, Valve Stem And

Caps: check same as front axle.

Splash Guards: well attached, not cut, not damaged.

Rear Of The Trailer

Reflectors: clean, shiny.

Rear lights: red color, clean cracked, in working order (turn signals left/right, 4-way flasher, tail light, brake light, clearance light). I check this side of vehicle same as the other side.

Before In Cab Inspection Ask Examiner

Rule Number1: fasten seat belt.

Rule Number2: ignition on.

Front: headlight on, check (low beam, high beam). Left turn signal. Right turn signal. Four- way flashers (cancel).

Rear: left turn signal. Right turn signal. Four-way flashers (cancel).
Brake lights.

In Cab Inspection

Seat belt: securely attached to the seat; not torn or frayed, in working order.

Mirror: both mirrors adjusted.

City Horn: working properly.

Freeway Horn: work.

(F-E-T)

Fuses: check spare fuses.

Extinguisher: charged, updated, secured.

3 red triangles

Safety Start The Engine: neutral, push the clutch, start the engine.

Abs Light: turns off.

Gauges

Temperature Gauge: temperature gauge working, warning light off.

Oil Pressure Gauge: normal, no warning light.

Voltmeter Gauge: alternator charging, warning light off.

Air Gauge: working properly, governor cut out at not higher than 140 PSI.

Dashboard Indicator Lights

Headlight: high beam/low beam in working order.

Turn Signals: left/right, work.

4-Way Flasher: work.

Heat/Defroster: working order.

Windshield: clean, not cracked; no illegal stickers.

Windshield Wipers, arms, Blades, Washer : work, no damage, secure.

Air Brake Test

1. Air leakage test: make sure air system is fully charged.

- A) Engine off
- B) Ignition on.
- C) Put your vehicle in low gear.
- D) Release parking brake.
- E) Press hard service brake for 1 minute.

Tell Examiner: **My vehicle should not lose more than 4 P.S.I. in 1 minute.**

After 1 minute give the result (don't release service brake).

My vehicle did not lose more 4 PSI in 1 minute. It's a good test.

2 Low Air Warning Test: it should happen between 55-75 PSI.

- a) Press and release the service brake, until warning light and buzzer come on.

Warning light and buzzer come on at _ PSI. It's a good test.

3. Pop- Out Test. It should happen between 20-45 PSI.

- a) Start pump service brake pedal, until tractor and trailer parking brake POP-OUT.

Spring break POP-OUT at _ PSI. It's a good test.

4. Cut- Out Test. It should happen at no higher than 140 PSI.

- a. Natural gas.
- b. Start engine.
- c. R.P.M. 11.
- d. Watch the needle stop to move.

Air Governor cut out at _ PSI. It's a good test.

5. Air Governor Cut In Test. It should happen at no lower than 100 PSI.

- a. Engine on.
- b. Press and release service brake. Repeat if necessary. (after 10 seconds).
- c. Watch the needle start to move.

Air Governor cut in test at _ PSI. It's good test.

6. Parking Brake Test. Make sure air system is fully charged.

Now I check trailer parking brake.

- a. Engine on.
- b. Low gear.
- c. Release tractor parking brake.
- d. Slowly release clutch.

Trailer does NOT move, parking brake works properly.

Next I check tractor parking brake.

- a. Engine on.
- b. Low gear.
- c. Release trailer parking brake.
- d. Slowly release clutch.

Tractor does NOT move, parking brake is working properly.

7. Service Brake Check. Make sure air system is fully charged.

- a. Low gear.
 - b. Release parking brake.
 - c. Drive forward slowly.
 - d. Apply service brake pedal.
- Next apply parking brake, neutral gear.

Service Brake is working properly.