

Pre trip inspection

All the parts should not be cracked damage or broken, not missing any bolts and parts, tight and secure. Have no leaks or illegal welds.

Front of the tractor

Air dam
Air horn
Clearance lights
Windshield (rubber seal, stickers, wipers)
Hood
Spot mirrors
Grill
Head lights (high and low beam, marker lights, turn signals, emergency lights)
Front bumper (license plate, fog light,)
Under the truck (not leaning, hanging hoses, leaks)

Engine bay right side

Lines and hose
AC compressor/ alternator/ water pump/ belt driven (the belt no more 3/4 of free play)
Radiator/ radiator mount
Oil fill/ dip stick
Frame or chassis

Leaf spring mount/ leaf spring/ U bolt/ shock absorber

Air lines/ abs line
Brake chamber
Push rod and slack adjuster (no more than 1 inch of free play with the brakes released)
Brake drums
Brake linings (no less than 1/4 inch of thickness)

Tires (no less than 4/32 inch of thread depth, no recap, 105psi, no abrasions, bubbles or cuts)
Rim (no space between the tire and the rim)
Lug nuts (all present, no rust or no shine)
Hub oil seal
Valve stem with metal cap

Engine bay left side

Lines and hoses

Coolant/ washer fluid/ power steering reservoir

Power steering pump/ air compressor/ fuel pump (gear driven)

Fuel filter

Oil fill/ Dip stick

Steering column (no more than 10 degree)

U joint

Steering gear box

Pitman arm

Drag link

Steering knuckle

Tie rod

Castle nut and cutter pin

Left side of the tractor

Quarter fender

Side mirror

Door

Marker light (3 functions)

Fuel tank/ fuel tank clamps/ fuel cap

Steps/ cat walk

Back of the tractor cab

Handle

Back window

Reflective tape

Dummy coupling

Service light

Air bag/ shock absorbers

Crossmember

Air tanks

Battery box

Drive shaft/ U joint

Exhaust system

Front of the trailer

Marker lights
Headboards/ rivets
Registration box/ inspection sticker
Glad hand/ emergency line/ service line/ electrical line

Rear of the tractor side

Splash guard

Control arm mount
Control arm
U bolts
Shock absorber
Air bag

Air lines
Air chamber
Slack adjuster and push rod
Brake drum
Brake lining

Tire (no less than 2/32 inch of thread depth, no recap, 105psi, no abrasions, bubbles or cuts)
Rim (no space between the tire and the rim)
Lug nuts
Valve stem
Axel seal

Coupling system

Apron
No space between the apron and 5th wheel
5th wheel properly greased
5th wheel attaches to the base
Base attached to the platform
Platform attached to the base
5th wheel release handle
Pivot pin and cotter pin
5th wheel locking pin

Rear of the tractor under trailer

Mud flap

Reflective tape

5th wheel locking jaw

King pin

Lights (4 function. Brake, marker, signal, emergency. White reverse)

Under the trailer front

Crossmembers/ floor boards

"K" frame

Landing gear/ landing gear shoes/ landing gear handle (high speed, low speed)

Side of the trailer

No holes or missing rivets

Reflective tape (18 inches apart or 50% of the trailer)

Marker light (3 function)

Rear of the trailer underneath

Lines and hoses (no less than 18inch from the ground)

Air tank

Air bags (leaf springs mount, leaf spring, U bolt if it's not equipped with air bags)

Shock absorber (if equipped)

Air lines

Brake chamber

Slack adjuster and push rod

Brake drum

Brake lining

Back in the side of the trailer

Trailer tandems, tandem release handle, tandem locking pins, tandem slide

Tire (no less than 2/32 inch of tread depth, no recap, 105psi, no abrasions, bubbles or cuts)

Rim (no space between the tire and the rim)

Lug nuts

Huh oil seal

Valve stem

Mud flaps (6-8 inches from the floor)

Marker light

Abs light (if equipped)

Rear of the trailer

Marker lights

Doors

Door ties

Lights (inside- brake/ outside- marker)

License plate and light

DOT bumper (100% reflective tape)

In cab inspection

Check all components to be in good condition and working properly

Seat belt

Fire extinguisher ABC (full, pin in place, tag up to date)

emergency triangle (3)

Spare fuses (6 minimum)

Steering wheel

City horn / highway horn

Paperwork (registration and insurance)

Windshield

Wipers and windshield washer (check function)

Mirrors (adjusted properly and clean)

Oil pressure 20-45psi

Water temperature 170-210 *F

Volts 12-14

Tachometer and speedometer

Fuel (enough for the trip)

Primary/ secondary air tank 120-140psi

Lights (ask examiner to help check the function of all lights around the tractor and trailer)

Right and left turn signal

Emergency 4-way flashers

High/ low beams

Break lights

Air suspension

Differential lock

5th wheel slide lock

Tractor/ trailer spring brake

Fan, defrost and fan

Air brake test

Turn on tractor, fill up air pressure to at least 90psi, place tractor in low gear (1st or 2nd), shut off tractor, release clutch, switch ignition on (do not start tractor) and release tractor/ trailer spring brake (wait for pressure to drop and stabilize)

1. Applied brake test (should not use 3psi single or 4psi combination in 1 minute)
2. Warning device test (at 60psi light and buzzer will come on)
3. Pop out test (from 40-20psi brakes pop out)

Fill up air pressure (governor will shut off between 120-140psi)

4. Tug test (release tractor brake to check trailer, and viceversa)
5. Service brake test (Drive 5mph and brakes, tractor should stop and not go side to side)