

Pre - Post Inspection ~ Updated: 9-2026 (Harmony)

Tractor

Tractor Front - Lights (All Present: Headlights (High Beams - Low Beams) - Turn Signals ('Broken/Operable' - Correct Color - Left-Right - 4-Way) - Clearance (Marker) Side Lights (Amber - Correct Color - Reflectors) - Lenses (Reflectors) - Broken - Clear - Cracked - Mounted - Water - Leaning - Broken Spring or Mount - Improper Tire Inflation - Suspension (Air Bags) - Leaks (Puddles or Dripping) - Coolant - Engine Oil - Fuel - Power Steering Fluid - Windshield Fluid - Hood (Emblem - Fiberglass - Grill - Hut Sticker) - License Plate (Mounted)

Open the Hood

Under The Hood – Check Both Sides - A-C Compressor (Belt: (No more than $\frac{1}{2}$ " to $\frac{3}{4}$ ") or Gear -- Bolts - Broken - Damaged - Mounted) Air Compressor (Belt: (No more than $\frac{1}{2}$ " to $\frac{3}{4}$ ") or Gear -- Bolts - Broken - Damaged - Mounted) - Air Line(s) (Abrasions - Bulges - Cuts – Color: Electric (Black or Green) - Emergency (Red) - Service (Blue) -- Cuts - Cracked - Fittings - Frayed - Leaks) - Alternator (Belt: (No more than $\frac{1}{2}$ " to $\frac{3}{4}$ ") or Gear -- Bolts - Broken - Damaged - Mounted) - Belt(s) (Frayed - Torn - Worn) - Coolant Reservoir (Bolts - Cap/Seal - Check Sight Glass - Fill Level - No Leaks - Mounted) - Coolant/Water Pump (Belt: (No more than $\frac{1}{2}$ " to $\frac{3}{4}$ ") or Gear -- Bolts - Broken - Damaged - Mounted) - Fuel Filter (Date - Leaks - Fuel Lines) - Oil Filter (Date - Mounted - Seal)

Driver Side - Windshield (3/4in Cracks(Drivers View) - Seal In place and Intact) - Wiper (Arm: Blade: Flush (Spring Tension) - Rubber - Silicone) - Wiper Motor (Bolts - Dents - Mounted) - Electrical Wires (§393.28 - SAE J1292) - Hoses (ABC - Clamps - Secured) - Engine Oil (15W40 - Cap/Dipstick/Seal - Not Milky or Discolored) - Brake Master Cylinder Reservoir (Power Steering: Bolts - Cap/Seal - Check Valves - Fill Line - Mounted) - Hydraulic Hoses (Broken - Cracks - Crimps - Leaks – Abraded (Chafed) - Outer Cover-to-Fabric Layer) - Power Steering Pump (Auxiliary Power Assist Cylinder Loose: Belt or Gear Driven - (No More Than $\frac{1}{2}$ " to $\frac{3}{4}$ ") - Steering Column (Fitting - Greased - Joints - Lubricated - Secured - Shaft - U-Bolts) - Steering Gear Box (Bolts - Cracks - Leaks) - Pitman Arm (C-Clamp - Looseness - Nuts) - Drag Link (Bolts - Clamps - Fitting - Greased - Nuts - Threads) - Tie Rod(s) (Bolts - Clamps - Nuts - Threads) - Control Arm (Lower - Upper) - "Knuckle" (Steering - Suspension) - Ball Joint (Greased - Fitting - Not Worn or Loose - (No More than $\frac{1}{4}$ Inch)) - Socket Joints (Not Worn or Loose - (No More than $\frac{1}{4}$ Inch)) - Bolts - Castle Nuts (Fasteners) - Cotter Pins - Frame (Axel - Alignment - Suspension) - Flange (Frames Strength - Weld) - Leaf Spring Mounts (Bolts - Bushing - Mounted - Spring - Spring Hangers - Shackles) - Leaf Springs (Bushings: Metal Cushion - Polyurethane - Rubber -- Air Suspension - Coil Spring - Torsion Bar -- Bolts - Bushings - Cracks - Leaks - Missing - Shifted) - U-bolts (Bolt(s) - Tight in Place - Worn Metal) - Shocks (Absorbers: Bushings - Leaking) - Brake Hose (Air Line: Abrasions - Bulges - Cracked - Frayed - Cuts - Leaks - Secure Fitting – Outer Reinforcement Ply (Thermalplastic Nylon - Braid Reinforcement (Color Difference: Cover - Inner Tube) - Second Color (Exposed - Rejection)) - Air-Brake Chamber (Disk Brakes: Caliper - Rotor -- S-cam (Cam) - Actuator - Anchor Pins -

Bolt(s) - Bushing(s) - Cam Shaft Support Brackets - Clamp - Cotter Key - Dents - Leaks (Audible) - Plug (Rubber) - Ruptured Diaphragm - Service Pin - Spiders -- Cam Style have Slack Adjuster - 90° from Chamber - Securely Mounted - No more than 1" of play when released (Maximum Pushrod Stroke - §393.37(e) - Engine Off - Reservoir 80-90 PSI) - Drums (Lining - Shoes: ¼ Thickness (Air) - 1/16 Thickness (Electric-Hydraulic) - Bolts - Contaminants - Dents - Holes) - Rotors (Lining - Pads: ⅛ Thickness (Air) - 1/16 Thickness (Electric-Hydraulic) - Bolts - Contaminants - Dents - Holes) - Wheel (Inner - Outer - Rim: 110 PSI - 10 Lug Nuts/Studs - Cracks - Lock-Side Ring (Bead) - Shining Fillings - Spacers (Broken - Missing) - Welds) - Tire ABC (Abrasions-Bulges-Cuts) - ICD (Inflation-Condition-Depth) - 4/32 (Steer) - Flat Spots - Leaks - Load Limit - Misalignment - Nails - "Not for Highway Use" (Etc.) - Rubbing - Tread-Sidewall Separation - Tire: § 393.75 - Boot (Blowout Patch - Ply Repair) - Flap (Valve Slot - Rim - Does not Touch Stem) - Ply-Belt Exposed (Tread - Sidewall) - Radial Tubing ("Radial" Embossed (Metal) - "Radial" Molded (Rubber) - Red Band (Tube Stem)) - Regrooved (Except: Urban - Suburban - §393.75(e) - Cap/Valve Stem (Broken - Damaged - Missing - Not Touching Wheel) - Hub (Axle Seal: Proper Level - Seal Secured - 90 WT or 85W-140)

Passenger Side - Windshield (3/4in Cracks(Drivers View) - Seal In place and Intact) - Wiper (Arm : Blade - Flush (Spring Tension) - Rubber - Silicone) - Electrical Wires (§393.28 - SAE J1292) - Hoses (ABC - Clamps - Secured) - Windshield Washer Reservoir (Cap - Fill Line - Mounted (Bolts)) - Exhaust (Mounted: Bolts - Clamp(s) - No: Carbon Soot - Holes - Rust - Serve Dents - Signs of Leaking - Not Touching Wires) - Frame (Axle - Alignment - Suspension) - Flange (Frames Strength - Weld) - Leaf Spring Mounts (Bolts - Bushing - Mounted - Spring - Spring Hangers - Shackles) - Leaf Springs (Bushings: Metal Cushion - Polyurethane - Rubber -- Air Suspension - Coil Spring - Torsion Bar -- Bolts - Bushings - Cracks - Leaks - Missing - Shifted) - U-bolts (Bolt(s) - Tight in Place - Worn Metal) - Shocks (Absorbers: Bushing - Leaks) - Brake Hose (Air Line: Abrasions - Bulges - Cracked - Frayed - Cuts - Leaks - Secure Fitting - Outer Reinforcement Ply (Thermoplastic Nylon - Braid Reinforcement (Color Difference: Cover - Inner Tube) - Second Color (Exposed - Rejection)) - Air-Brake Chamber (Disk Brakes: Caliper - Rotor - S-cam (Cam) - Actuator - Anchor Pins - Bolt(s) - Bushing(s) - Cam Shaft Support Brackets - Clamp - Cotter Key - Dents - Leaks (Audible) - Plug (Rubber) - Ruptured Diaphragm - Service Pin - Spiders -- Cam Style have Slack Adjuster - 90° from Chamber - Securely Mounted - No more than 1" of play when released (Maximum Pushrod Stroke - §393.37(e) - Engine Off - (Reservoir 80-90 PSI) - Drums (Lining - Shoes: ¼ Thickness (Air) - 1/16 Thickness (Electric-Hydraulic) - Bolts - Contaminants - Dents - Holes) - Rotors (Lining - Pads: ⅛ Thickness (Air) - 1/16 Thickness (Electric-Hydraulic) - Bolts - Contaminants - Dents - Holes) - Tie Rod(s) (Bolts - Clamps - Nuts - Threads) - Control Arm (Lower - Upper) - "Knuckle" (Steering - Suspension) - Ball Joint (Not Worn or Loose - (No More than ¼ Inch)) - Socket Joints (Not Worn or Loose - (No More than ¼ Inch)) - Wheel (Inner - Outer - Rim: 110 PSI - 10 Lug Nuts/Studs - Cracks - Lock-Side Ring (Bead) - Shining Fillings - Spacers (Broken - Missing) - Welds) - Tire ABC (Abrasions-Bulges-Cuts) - ICD (Inflation-Condition-Depth) - 4/32 (Steer) - Flat Spots - Leaks - Load Limit - Misalignment - Nails - "Not for Highway Use" (Etc.) - Rubbing - Tread-Sidewall Separation - Tire: § 393.75 - Boot (Blowout Patch - Ply Repair) - Flap (Valve Slot - Rim - Does not Touch Stem) - Ply-Belt Exposed (Tread - Sidewall) - Radial Tubing ("Radial" Embossed (Metal) - "Radial" Molded (Rubber) - Red Band (Tube Stem)) - Regrooved (Except:

Urban - Suburban - \$393.75(e) - Cap/Valve Stem (Broken - Damaged - Missing - Not Touching Wheel) - Hub (Axle Seal: Proper Level - Seal Secured - 90 WT or 85W-140)

Close Hood Latch

Side(s) of Cab - Hood Mounted Mirror (Properly Mounted - Not Broken - Clear) - Side Mirror (Bracket - Clear - Mounted - Not Broken) - Truck Side (Fairings - Fiberglass - Sheet metal - Skirting - Visible Damage) - 4-Way - Clearance - Indicator - Marker - Running - Turn Light(s) (Amber - Cracked - Mounted - Reflectors) - Door (Opens - Closes - Seal) - Battery (Box - Cases - Cover - Secured) Non-Maintenance-Free Batteries (Fluid - Proper Level - Cell Caps (Present) - Tightened - Vents (Cell Caps) - Clean) - Side Steps (Mounted Properly - Debre) - Company Name - DOT number - Annual Inspection - IFTA (Stickers) (Both Sides) - Fuel Tank (Cap Secured - Gasket - Mounted - No Leaks (Crossover - Line - Hoses)) - DEF Tank (Cap Secured - Gasket - Mounted - No Leaks (Hoses)) - Air Tank(s) - (Drain Moisture - Leaks - Mounted - Petcock (Closed) - Protection Valve) - Storage Box - Chains (8 - Key) - Emergency Tow Hooks - Fuses / Relays (Circuit Breaker) - Power Inverter (Battery Switch (On-Off) - Circuit Breaker (Fuse - Manual - Reset)) - Strap(s) - Triangles (3) - Warning Flag(s)

Inside Tractor - (*Chock Wheels* - 3-Points of Contact - Enter) - Trailer Insurance - Registration (Tractor/Trailer) - Federal Annual Inspection Report (FMCSA 49 CFR §396.17) - IFTA Documents - Motor Carrier Permit - Emergency Road Side Kit (Camera) - NY Hut Document - Electronic Logging Device (ELD) - Quick Reference Card - Log Books (2) Per Driver - Trip Sheet - Floor Free of Debris (Battery Switch: Driver Side - "Kill Switch" - Lock-Out Tag-Out) - Driver Seat (Adjustments - Bolts - Mounted) - Safety Belts (Adjusted - Operates Properly - Present - Not Frayed/Ripped - Secured) - Steering Wheel (Adjustments - Engine Brake (Retarders) - Speed Control - Turn Signal Switch) - Dashboard (5th Wheel (Sliding Fifth Wheel) - Air Suspension Control (Suspension Dump - Raise/Lower Switches) - Hill Start Assist (Uphill Start Aid) - Ignition (Graphite - Mounted) - Parked Regen (DEF) - Traction Control (TC) - Transmission Control (Interaxle Differential)) - Pedal(s) (Adjustments - Brake - Clutch - Accelerator (Gas) - Trailer (If Applicable)) - Emergency-Service (Push/Pull Brakes: Knobs (Broken - Stem)) - Fire Extinguisher (Fully Charged - Properly Mounted - Rated) - Key in Ignition on Not Started (ABS: Light (Amber (On-Off) - Buzzard/Warning - Tractor - Trailer) - Safe Start (Unusual Noises) - (Depress Clutch (Manual Only*)) - Neutral) - Windshield (70% Transmission Light - Glazing (2 Inch Border Top - 1 Inch Border Sides) - ¾ Maximum Chips (Out of Line of Sight) - Obstructions - Stickers) - Windows - 70% Transmission Light - (Opens and Closes - Not Cracked or Broken) - Arm-Blade (Fluid - Motor - Rubber - Silicone) - AC and Heating (Check Defrost - Air Movement) - Air (Pull Cord) - City (Electric - Steering Wheel) Horn - Check Temperature (Coolant - Water) - DEF/Fuel Gauges (1/8 Minimum) - Air Gauges (120 PSI) - Oil Pressure (30-65 PSI) - Ammeter/Voltmeter (2-4-14-22 AMPS - 13.8-14.4 or 24 Voltage) - Indicator Lights (Left - Right - 4-Way - High Beam - DEF)

Brake Test (Neutral - Turn Engine Off - Key On Position - Release Brakes) - 3-Step Air Brake Test - Brake Pressure (1 Minute - 3 PSI (Semi - Single - Tractor) - 4 PSI Combination) - Pump Brakes Until Low Air Warning - 20-40-50-55 PSI (Air Brakes Button/Knob Pops Out - Half

Governor Cut-Out (Whichever is Lowest)) - (3-Points Of Contact - Exit - *Remove Chocks* - Re-Enter) - Check Primary-Secondary Air Gauges - Rate Of Build-Up - 85 to 100 PSI - 45 seconds - Compressor/Governor - Cut-Out Test 120-140 PSI) - Test Parking Brakes (4th Gear - Drive) - Set Trailer Brakes (Tug Test) - Release Trailers and Set Tractor (Tug Test) - Service Brake Test (4th Gear - Drive) - Release Both Tractor and Trailer Parking Brakes - 5 MPH - Apply Service Brakes (Does not Pull to One Side or the Other) - Pull Out Air Valves

Light Test (Governor Cut-Out - Turn Off Engine - Key On Position) - Front (Left - Right - 4-Way - Head Lights - High Beams - Clearance) - Left/Right of Tractor (Left - Right - 4-Way - Clearance) - Rear of Tractor (Tail Lights: 4-way - Back-up/Reverse - Brake Lights ("ON" Applied - "OFF" Released) - Left - Right - Cargo (Rear Cab) - Clearance) - Front of Trailer (Clearance) - Left/Right of Trailer (4-Way - Clearance - Left - Right - Right/Turn Danger Signal) - Rear of Trailer (4-Way - Backup/Reverse - Brake Lights ("ON" Applied - "OFF" Released) - Left - Right - Tail Lights - Clearance) - Remove Keys (3-Points of Contact - Exit - "This Concludes my In-Cab")

Cab Rear - Truck (Fairings - Fiberglass - Sheet Metal - Visible Damage) - Reflective Tape (Affixed - Present) - Cab Suspension (Air Bags: Damage - Leaks) - Cargo Light(s) (Utility Light(s): Clear - Operational) - Exhaust (Mounted: Bolts - Clamps - No: Holes - Rust - Serve Dents - Signs of Leaking - Soot - Not Touching Wires) - Cable Holder/Tender (Cable Support - Combinations - Springs) - Combination Shield (Cable: 'Braid-Over-Foils-Sleeve-Spiral-Wrap') - Glad Hand and Plug Holder - Bolts - Cracks - Damage - Mounted) Coupling Devices (Systems) - Electrical Cord (Color: Black or Green - Cracks - Cuts - Dragging - "Pig Tail" - Safety Catch (Engaged) - Slack (Turns) - Worn) - Glad Hands (Groumets: Leaks - Mounted - Seal(s)) - Emergency (Red) - Service (Blue) Lines (Crimped - Cut - Cracked - Dragging - Not Leaking - Slack (Turns) - Worn) - Shut Off Valves (Rear of Front Trailers (Open) - Rear of Last Trailer (Closed) - Converter Dolly Air Tank Drain Valve (Closed) - Frame (Cracks - Damage - Flanges Intact - Welds) - Cat Walk/Steps (Free of Loose Objects - Bolts - Handrail - Mounted) - Spare Tire (If Applicable - "Dolly" - Secured)

Inside of Frame - Air Lines (ABC - Fittings) Color: Electric (Black or Green) -Emergency (Red) - Service (Blue) -- Cuts - Cracked - Fittings - Frayed - Leaks) - Electrical Wires - (\$393.28 - SAE J1292) - Drive Shaft (Drive Line Components: U-Bolt - U-Joints - Yokes) - Front Rear End - Input Shaft Seal (Not Leaking - Seal) - Differential (Axle Housing - "Pumpkin" - Not Leaking) - Exhaust Tube (Bracket(s) - Clamp - Cracks - Mounted) - Torque Arm/Rod (Bolt - Bushing - Mounted) - Power Divider Shaft (Tandem Splitter) - Everything in Proper Alignment

Sliding Fifth Wheel - Plate (Bolts - Fitting - Greased - Lubricated - Not Missing - Pins) - Pivot Bracket Pin and Bracket ($\frac{3}{8}$ Inch Horizontal Movement Maximum) - Screw (Adjustment Screw - Missing* - Plate) - Release Arm/Handle (Locking Mechanisms: Guide - Lock Jaw - Release Arm - Lock Bar - Not Bent - Proper Position) - Safety Latch (Locked-Unlocked Position) - Sliding Fifth Wheel (Air Powered (No Leaks (Audible) - Fully Engaged) - (Each Side (2*) - Must Be Engaged (4*)) - Missing*) 5th Wheel Platform Base (Bolts - Fasteners - Lower Coupler - Mounted (Seated) - Mounting Angle Iron) - Assembly Mounting Bolts (Broken Welds - Latch

Fasteners - Loose - Missing) - Too Far Forward can Interfere with Landing Gear - Slider Bracket and Slider Base ($\frac{3}{8}$ Inch Movement Maximum) - Upper and Lower Halves (Horizontal $\frac{1}{2}$ Inch Movement Maximum)

Outside of Frame - Splash Guard (Quarter Fender: Not: Damaged - Rubbing Ground/Tires Mounted) - Steps (Free of Loose Objects - Bolts - Mounted) - Frame (Axel - Alignment - Suspension) - Flange (Frames Strength - Weld) - Each Axel - Air Bag Mounts (Bolts - Not Damaged) - Air Bags (Damage - Leaks) - Leaf Spring Mounts (Bolts - Bushing - Mounted - Spring - Spring Hangers - Shackles) - Leaf Springs (Bushings: Metal Cushion - Polyurethane - Rubber -- Air Suspension - Coil Spring - Torsion Bar -- Bolts - Bushings - Cracks - Leaks - Missing - Shifted) - U-bolts (Bolt(s) - Tight in Place - Worn Metal) - Shocks (Absorbers: Bushings - Leaks) - Brake Hose (Air Line: Abrasions - Bulges - Cracked - Frayed - Cuts - Leaks - Secure Fitting) - Outer Reinforcement Ply (Thermalplastic Nylon - Braid Reinforcement (Color Difference: Cover - Inner Tube) - Second Color (Exposed - Rejection)) - Air-Brake Chamber (Disk Brakes: Caliper - Rotor - S-cam (Cam) - Actuator - Anchor Pins - Bolt(s) - Bushing(s) - Cam Shaft Support Brackets - Clamp - Cotter Key - Dents - Leaks (Audible) - Plug (Rubber) - Ruptured Diaphragm - Service Pin - Spiders -- Cam Style have Slack Adjuster - 90° from Chamber - Securely Mounted - No more than 1" of play when released (Maximum Pushrod Stroke - §393.37(e) - Engine Off - Reservoir 80-90 PSI)) - Drums (Lining - Shoes: $\frac{1}{4}$ Thickness (Air) - $\frac{1}{16}$ Thickness (Electric-Hydraulic) - Bolts - Contaminants - Dents - Holes) - Rotors (Lining - Pads: $\frac{1}{8}$ Thickness (Air) - $\frac{1}{16}$ Thickness (Electric-Hydraulic) - Bolts - Contaminants - Dents - Holes) - Wheel (Inner - Outer - Rim: 110 PSI - 10 Lug Nuts/Studs - "Bud Spacing" - Cracks - Lock-Side Ring (Bead) - Shining Fillings - Spacers (Broken - Missing) - Welds) - Tire (ABC (Abrasions-Bulges-Cuts) - ICD (Inflation-Condition-Depth) - $\frac{2}{32}$ (Drive) -- Do not Mix Radial and Bias Tires - Even Circumference - Flat Spots - Leaks - Load Limit - Misalignment - Nails - "Not for Highway Use" (Etc.) - Rubbing - Tire: § 393.75 - Flap (Valve Slot - Rim - Does not Touch Stem) - Ply-Belt Exposed (Tread - Sidewall) - Look for Tread-Sidewall Separation) - Cap/Valve Stem (Broken - Damaged - Missing - Not Touching Wheel) - Hub (Axel Seal: Proper Level - Seal Secured - 90 WT or 85W-140)

Tractor Rear - Lenses-Reflectors (Clean - Not Broken - Proper Color - Reflectors) - License Plate Mount (Light) - Mud Flaps (Not Damaged - Mounted (Spring Loaded)) - Reflective Tape

Trailer

Front of Trailer - Bulk Head (Header Panel: Holds Load - No Visible Damage - Rivets - Sheet Metal) - Front of Apron (Lip: Attached Property - Broken - Not Bent) - Clearance Lights (Amber - Proper Color - Securely Mounted) - Electrical Receptacle (Female Connection for "Pigtail": Free of Debris - Properly Mounted - Weather Cover) - Air Coupling (Glad Hand Receivers (Emergency - Service): Groumets - Seal) - Permit Box (Registration - Matches License Plate - Date) - Federal Annual Inspection Report (Sticker - Date) - Placarding (If Applicable) - Documents Holder (Permit Pocket)

Side(s) of Trailer - Frame (Front to Rear - Side Rail (Cracks: Flexural - Hairline (Short) - Heat (Thermal) - Shear) - Reflective Tape (50% Side) - Placarding (If Applicable)

Under Trailer - Apron - Kingpin (Shank (Center) - Free of Obstruction - No Damage - No Gap (Apron - Skid Plate) - Bobtail = Locking Jaws Open - Hooked = Secured Around Kingpin - (Flashlight Test) - Both Sides - Cross Members (Present - Secure - Not Damaged - Missing) - Landing Gear (Both - Broken Welds - Fitting - Fully Raised - Grease - Landings Gear Pads - Lubricated - Missing Parts - Air: ABC - Fittings - Leaks (Audible) - Hydraulic: Leaks - Seal - Crank Handle Secured) - Each Axle - Wind Skirt (Brackets - Damaged - Missing - Mounted) - 4-Way - Clearance - Indicator - Marker - Running - Turn Light(s) (Amber - Mounted - Reflectors) - Frame (Axel - Alignment - Suspension) - Flange (Frames Strength - Weld) - Tire Carrier (Nash Style (Underride Guard) - Bolts - Secure - Weld - Tire: Inflated - Size) - Tandems ("Dolly" - Aligned) - Pins Engaged (Each Side (2*) - Must Be Engaged (4*) - Check Tandem Slider Distance) - Brake Hose (Air Line: Abrasions - Bulges - Cracked - Frayed - Cuts - Leaks - Secure Fitting - Outer Reinforcement Ply (Thermalplastic Nylon - Braid Reinforcement (Color Difference: Cover - Inner Tube) - Second Color (Exposed - Rejection) - 18 In above the ground) - Air Bags (Damage - Leaks) - Leaf Spring Mounts (Bolts - Bushing - Mounted - Spring - Spring Hangers - Shackles) - Leaf Springs (Bushings: Metal Cushion - Polyurethane - Rubber -- Air Suspension - Coil Spring - Torsion Bar -- Bolts - Bushings - Cracks - Leaks - Missing - Shifted) - U-bolts (Bolt(s) - Tight in Place - Worn Metal) - Shocks (Absorbers: Bushings - Leaks) - Air Line (Abrasions - Bulges - Cuts - No Leaks - Not Cracked or Frayed - Secure Fitting) - Air-Brake Chamber (Disk Brakes: Caliper - Rotor - S-cam (Cam) - Actuator - Anchor Pins - Bolt(s) - Bushing(s) - Cam Shaft Support Brackets - Clamp - Cotter Key - Dents - Leaks (Audible) - Plug (Rubber) - Ruptured Diaphragm - Service Pin - Spiders -- Cam Style have Slack Adjuster - 90° from Chamber - Securely Mounted - No more than 1" of play when released (Maximum Pushrod Stroke - §393.37(e) - Engine Off - Reservoir 80-90 PSI)) Drums (Lining - Shoes: ¼ Thickness (Air) - 1/16 Thickness (Electric-Hydraulic) - Bolts - Contaminants - Dents - Holes) - Rotors (Lining - Pads: ⅛ Thickness (Air) - 1/16 Thickness (Electric-Hydraulic) - Bolts - Contaminants - Dents - Holes) - Wheel (Inner - Outer - Rim: 110 PSI - 10 Lug Nuts/Studs - "Bud Spacing" - Cracks - Lock-Side Ring (Bead) - Shining Fillings - Spacers (Broken - Missing) - Welds) - Auto Air Inflation System (Flexible Air Lines - Leaks - Missing - Continuous Running) - Tire (ABC (Abrasions-Bulges-Cuts) - ICD (Inflation-Condition-Depth) - 2/32 (Drive) -- Do not Mix Radial and Bias Tires - Even Circumference - Flat Spots - Leaks - Load Limit - Misalignment - Nails - "Not for Highway Use" (Etc.) - Rubbing - Tire: § 393.75 - Flap (Valve Slot - Rim - Does not Touch Stem) - Ply-Belt Exposed (Tread - Sidewall) - Look for Tread-Sidewall Separation) - Cap/Valve Stem (Broken - Damaged - Missing - Not Touching Wheel) - Hub (Axel Seal: Proper Level - Seal Secured - 90 WT or 85W-140) - Driver Side - ABS Light (Amber (On-Off) - Driver Side - Mounted)

Rear of Trailer - Doors (Hinges - Hooks - Latches - Open Doors - Ties (Chains)) - Rear Impact Guard (Interstate Commerce Commission (ICC) - Department of Transportation (DOT): FMCSA §393.86 - Able to Connect to Dock Latches - Mounted - Not Bent more than 6 inches) - Rubber Pads - Lights (Rear-Red-Reflectors: Tail Lights (Combination): 4-Way - Back-up/Reverse - Brake Lights - Clearance (Running Lights) - Turn Indicators: Left - Right) - License Plate (Light -

Operational - Plate Matches Registration) - Placarding (If Applicable) - Reflective Tape 100% - Reflective L at Top – “This Concludes my Vehicle Inspection”

Differences In Flatbed - Canvas (Tarp - Lashed Down) - Cargo (Blocked - Braced - Chained - Tied) - Decking (Good Condition - No Loose Debris or Cargo) - End Gates - (Not Damaged - Secured - In Stake Pockets) - Rub Rail (Not Broken or Damaged) - Stake Pockets (Not Damaged) - Checking Load Securement (Load Checks on Pre/Post Trip - Every 3 Hours or 150 Miles) - Tailboard (Secured - Up) - Trailer Frame (Inside / Outside Frame - Cross Members (Looking for Cracks and Damage) – §§ 393.100–393.114 - Logs - Dressed Logs and Similar Building Products - Metal Coils - Paper Rolls - Concrete Pipe - Intermodal Containers - Automobile, Light Trucks and Vans - Heavy Vehicles, Equipment and Machinery - Flattened or Crushed Vehicles - Roll On/Roll Off or Hook-Lift Containers - Large Boulders

Towing Means - 49 CFR § 393.70) - Ball-and-Socket (Coupling Device - No more than may be used in combination) - Fifth Wheel (Requirements - § 393.70) - Pintle-Eye of Dolly - Cable (Broken - Kinked - Strands) - Clamps (Improper Clamping) - Drawbar/Towbar Eye (Cracks (Welds) - Fasteners - Integrity - Mounting - Reduced by 20%) - Drawbar/Towbar Tongue (Cracks - Latching Mechanism - Leaking (Air or Hydraulic - Cylinders - Hoses - Chambers) - Fasteners (Not missing if no Corresponding Hole) - Hook Latched - Horn (Reduced no More than 20%) - Light Cords (Socket - Trailer - (Each) Converter Dolly) - Saddle Mounts (Breaks (Stress or Load Bearing Member) - Cracks - Fasteners - Method of Attachment - Mounting (Loose) - Movement (Horizontal - Upper & Lower - Halves Exceed ¼ Inch) - Safety Chains and Hooks (Trailer - Improper: Rope - Bolts (Small) - Tape - Welding - Wire) - Slider (Manual or Power) - Slider and Housing (Movement more than ¼ Inch) - Stop (Ineffective - Missing) - Sunframe and Drawbar (Point of Attachment - Movement more than ¼ Inch)) - Pintle Hook of Trailer(s) - Saddle-Mount (Connections - No more than three may used in any combination - When using three saddle-mounts - All but the final towed vehicle must have active brakes with contact with the road) - Tow-Bar (No more than may be used in any combination)

Manual Transmission: Tomorrow.

Hazmat: 49 CFR § 172.504 - Under 1001 Lbs: Do not need Placards***

Length - Weight - Width Restrictions

Length: Bridge Law - Center of Kingpin to the center Rearmost Rim - No More than 40 Feet for CT and CA - 41 Feet All other States;

-36 FT - 41 FT (CA 38 FT - 40 FT (Kingpin to the Center Rearmost Rim) - (9 ft 9in - 10 ft 9 in)

-35 FT Outermost Dual Axles (Center) - 51 FT Outmost Axles (Center)

Weight: Max Gross 80,000 Lbs - Van Trailers - Steer 12,000 lbs - Tractor Drives 34,000 lbs - Tandems 34,000 lbs -- Flatbed Trailers - Tractor: Steer 12,000 lbs - Drives 34,000 lbs - Split Axle 40,000 lbs (20,000 lbs Each Axle)

Standard Width: 102 Inches (8 Feet 6 Inches)

Transferring Weight

Load Placement

Tandems: 250 - 300 - 400 - 500 - 1000** lbs per Hole/Notch (4* Inch Per Notch - Sliding Backwards puts weight onto Drives - Steers)

5th Wheel: 6.66 (Trailer 3 Notches/20lb - Towards Steer) - 100 - 180 (Drive 3 Notches/540lb - Towards Steer) - 186.6666 (Steer 3 Notches/560lb - Towards Steer) - 300 - 500 - 7550** lbs per Hole/Notch (2* Inch per notch)

Net Tractor Trailer: Height - Length - Width

Standard Height (Dry Van - Reefer): 13.5 Feet (13 Feet 6 Inches)

Length: 70 to 80 Feet (Included Both the Tractor Cab and Trailer) - 20 to 25 Feet (Tractor) - 48 to 53 Feet (Trailer)

Standard Width - 8.5 Feet (102 Inches)

Transportation - Weight (Gross - Net)

Aggregate Working Load Limit (AWLL): The load limit is the sum of: One-half the working load limit (WLL) of each tiedown that goes from an anchor point on the vehicle to an attachment point on an article of cargo; and The working load limit for each tiedown that goes from an anchor point on the vehicle, through, over or around the cargo and then attaches to another anchor point on the vehicle.

49 CFR § 393.110: Additional requirements for determining the minimum number of tiedowns. There must be - one tiedown for articles 5 ft or less in length, and 1,100 lbs or less in weight; two tiedowns if the article is - 5 ft or less in length and more than 1,100 lbs in weight; or greater than 5 ft but less than 10 ft, regardless of weight. When an article of cargo is not blocked or positioned to prevent movement in the forward direction, and the item is longer than 10 ft in length, then it must be secured by two tiedowns for the first 10 ft of length, and one additional tiedown for every 10 ft of length, or fraction thereof, beyond the first 10 ft. An example of this is provided below. If an article is blocked, braced or immobilized to prevent movement in the forward direction by a headerboard, bulkhead, other articles that are adequately secured, or other appropriate means, it must be secured by at least one tiedown for every 10 ft of article length, or fraction thereof.

Load Securement: 43,000 - 48,000 -- 18 (straps) - 1466 lbs - 53 ft (5.89* ft)

Cargo Shifting: Without Front-End Structure or Equivalent: Chassis - Clamp - Clevises - Hooks Lockings Pins - Rail - Support Frames - Tiedown Bolsters – Broken - Cracked - Loose - Missing

“Step Father Formula” 10 (2”x16” Work Load Limit: 1,000 Pounds Break Strength: 3,000 Lbs) 6 (2”x16” Work Load Limit: 1,500 Break Strength: 4,500 Lbs) 4 (2”x16” Work Load Limit: 835 Break Strength: 2,500 Lbs)

Securement Method: Tie-down: Chain - Cordage - Steel Strapping - Synthetic Webbing - Wire Rope – Components: Clamps - Hooks - Ratchets - Winches – Blocking - Bracing - Cargo - Dunnage (Inflatable Bags) - Friction Mats - Structure (Bulk Head-Headerboard) - Combination (Above) – Flatbed* Edge Corner Protectors

Tractor: 15,000 - 25,000 -- 23,587***

Trailer: 10,000 - 16,000 -- 13,855***

Maximum Gross Weight: 80,000 Lbs

Maximum Net Weight: 42,558 Lbs***

Cat Scale

9/23/2026 - 5th Wheel: 3 Forward Notches - Sliding Tandems: 3 Forward Empty Notches - Steer Axle 10860 lb - Drive Axle 30540 lb - Trailer Axle 35100 - Gross Weight 76500 lb -- 5th Wheel: 0 Forward Notches - Sliding Tandems: 3 Forward Empty Notches - Steer Axle 11420 lb - Drive Axle 30000 lb - Trailer Axle 35080 - Gross Weight 76500 lb -- (Load Adjusted) 5th Wheel: 5 Forward Empty Notches - Sliding Tandems: 3 Forward Empty Notches - Steer Axle 10560 lb - Drive Axle 32160 lb - Trailer Axle 33740 - Gross Weight 76460 lb -- $34177.51 - 23587 = 10590.51$

Load-Pallets (34): $1312 \times 5 = 6,560$ - $1231.81 \times 29 = 35,722.49$ -- Gross Weight: $6560 + 35722.49 = 42,282.49 / 42,282.49$ -- $76460(\text{Scale Gross Weight}) - 42282.49(\text{Load Weight}) = 34177.51(\text{Tractor-Trailer Gross Weight} - (5/16\text{-Half Tank}^* - 139 \text{ miles-Diesel } 7.05\text{-Def } 9.25\text{lbs}) - 34177.51(\text{Tractor-Trailer Gross Weight} - \text{Half Tank}^*) - 23587(\text{Tractor}^{***}) = 10590.51(\text{Trailer}^{***})$

Truck Measurements: 5 (Empty) Forward Fifth Wheel Notches - 3 (Empty) Sliding Tandem Notches -- Tractor Trailer Length 72 ft 10 in -- 3 Ft 5 In (Front Bumper - Steer Hub) -- Outermost Rims 57 ft 8 in -- 20 ft 11 in Steer Hub - Rear Drive Hub -- 40 ft 2 inch Outer Drive - Outer Trailer (+1ft Black Line) -- 39 ft Kingpin (Cotterpin) - Outer Trailer Wheel (+1ft Black Line) -- 9 ft 9in - 10 ft 9 in (Rear Bumper - Last Trailer Hub) -- 3 ft 3 in (Apron Lip - Kingpin) -- 8 ft (6-8) in Hub to Hub

Goal: Get Out And Look

IPDE: Identity Predict Decide Execute

Safe Driving (Safety 101): 20 Seconds Ahead - 2*-4-12 Seconds Following Distance - Object No more Than 2 Seconds - Leave Yourself an Out - Make sure they See you - No Left Turns (Left Lane - Pflugerville) - Wide Wide Wide Turning (Tandems - Turning Radius) - Blinker Entire Lane Change - Down Shift (Indicator - Noise) - Do not pass a truck in the Rain*** - Fort McHenry Tunnel (Not Approved**) - George Washington Bridge (Not Approved**)

Safety Equipment (Prop 65 Warning) - Pigtail Connector for DOT Compliance (Bread Clip) - Tool-Set of 2 Metal Gauge Thickness Tool - Trailer Tandem Slide Stopper - Pre-Trip Inspection Tool - Brake Lining Thickness Gauge, Disc & Drum Braking Pad - Mr. Pen Small Architectural Scale Ruler - Rain Poncho - 100-ft Long Tape - Headlamp - Push Broom - Hard Hat - Reflective Vest - Gloves - Safety Glasses - Respirator - Tool Set 130 Pieces - Channel Locks - Grease Gun (Grease) - L-Shaped Ball End Hex Key Set 2-Pc - Shop Rags - 12 in Adjustable Wrench - Thermal Camera (HF96 - Shipping Containers)

Dock Parking: 6 FT Out (Driver Side) - 3 Lanes Past Designated Dock - Pull right to the center then left until the full Trailer (Driver Side) is in view (7.5* - 8.5* Lanes Past Designated Dock)

Railroad Crossing: Stop 15 to 50 Feet from Rail - Mandatory School Bus-Passanger-Hazardous Material Transporter - Check for Proper Pull Through-Never Stop on Tracks (Shift Gears) - Do Not Drive Around or Under Gates

Roadside Mountain Brake Check Protocol:

Air Pressure and Leak Test (Low Air Warning-Knobs Release) - Walk-around Smell* - Visual Test - Slack Adjuster & Pushrods (Caps) (49 CFR § 392.7 and 49 CFR § 396.13)

Downhill Protocol: Select Safe Speed (Grade - Length - Road Conditions - Steepness - Weight) - Shift Correct gear (Downshift - Never Neutral) before descending - Rely on Engine Brake (Jake - Retarders) - Turn off Engine Brake: Icy - Snowy - Wet - (Avoid Jackknife) - Snub Braking 40 mph firmly brake to 35 mph (Repeat)

Fuel Protocol: § 392.50 Ignition of fuel; prevention - Wear Glasses-Gloves-Respirator - Turn Off Engine - Discharge Static Electricity (Nozzle Must Remain in Constant Contact With Fuel Tank) - Begin Fueling Driver Side Tank*** - Begin Fueling-Hang up Passenger Fuel Nozzle (Cap) - Hang up Driver Side Fuel Nozzle (Cap) - Begin Fueling/Hang up DEF (Cap)

Triangle Protocol: **Standard:** (1) 10 Ft - (2) 100 Ft - (3) 200 Ft – **Obstructed View** - (1) 100 Ft (Front) -- (2) 10 Ft - (3) 100-500 Ft (Behind)

Electrical: Standard-Mini-Low Profile Mini - 2-5-7.5-10-15-20-25-30-35-40 AMP - MAXI 30-40-60 AMP - Maxi-Blade-Fuse-APX-Large-Fuses 20-30-40-50-60-70-80-100A - Mini ANL Fuse 20-30-40-50-60-80-100-125-150A - AGC 2 AMP Fuse - AGC 5A Fuse - AGC 10-15-20-30 AMP Fuses - SFE AGC 9/14/20A 10/15/30A - Glass Fuse 10A/15A/20A/25A/30A - Glass Fuses 250V 5x20mm 0.5-1-2-3-4-5-6-7-8-10-15-20A - 6x30mm 0.5-1-2-3-4-5-6-7-8-10-15-20A Tube Fuses - Fast Blow Glass Fuses 5x20mm 250V 0.1-0.2-0.25-0.5-1-1.5-2-3-4-5-8-10-12-15-20A - 20A JCase Fuse (JCAS20BP)([JCAS020.XP](#)) - 40A JCase Fuse (JCAS40BP)([JCAS040.XP](#)) - Jcase Fuses Tall/Standard and Low Profile Box Shaped 20-30-40-50-60-70-80A - 168 Bulb - Speed Relay 6133839(RP-129) - Flasher EF 42 20 Lamp 30523 BP 12v 45AMP 2PIN - Variable Load Flasher (TF552/536 12V) - LED Flasher (EG32RL 12V) - Electronic Flasher (EF32 12V) - AGC Fuse Holder-14GA-(RPPS-229) - ATC-ATO Fuse Holder 16 Gauge - 10 AMP (0962PT) - 2-Pin Pigtail Replacement Plug (RP-43149) - 3-Pin Pigtail Replacement Plug (RP-431491) - 3 Prong Pigtail Adapter (6122943) - Triple Seal Pigtail (6148709) - Wire Nuts*** – Adjustable Metal Hose Clamps (6149430) - Glad Hand Seals (RP-3601)

United States (US) Hours Of Service (HOS)

60 Hours (On-Duty) / 7 Days

70 Hours (On-Duty) / 8 Days

34 Hour(s) Rest - (34 Hour(s)) Consecutive Hours Off-Duty

8 Hour(s) Driving (30 Minute Break) - 11 Hour(s) Driving - 3 Hour(s) (On-Duty) - 14 Hour(s) (Total) - 10 Rest Hour(s) - 10 Hours Driving (30 Minute Break) - 5 Hour(s) (On-Duty) - 15 Hour(s) (Total) - 8 Rest Hour(s)

Sleeper Birth Provision: You can split 10 Hour(s) Rest (Off-Duty - Sleeper Birth) - E.G./e.g./ EX: 2/8 or 3/7 - As long as neither one counts against your 14 Hour(s) window.

Adverse Driving Conditions: Extend Driving Limit up to 2 Hours (Road Conditions (Construction) - Severe Weather)

Short Haul Exception: 150 Mile Radius (No log book needed)

Other Documents: CA Alcohol Beverage Permit - CA Hazmat 2026 - CA Motor Carrier (UCRA) Permit - Federal Hazmat Permit 2026 - IA Permit - KY Permit 2006 - MA Alcohol Permit 2026 - MD Alcohol Permit - NC Alcohol Permit - NH Alcohol Permit 2025-2026 - NY Liquor Permit 2026 - OH Liquor Permit 2025-2026 - PA Alcohol Permit 2026 - VA Alcohol Permit - WV Alcohol Permit 2026 - WY Motor Carrier Permit

Speed Limits-Engine Brake-(Check Daily - Posted - Sign)

Alabama 55-70 MPH - Alaska 55-55-65 MPH - Arizona 55-65-75 MPH - Arkansas - 40(Minimum)-55-65-70 MPH California - 55 MPH Maximum (Regardless of Posted Signs) - Colorado 30-40(Minimum)-65-75 MPH - Connecticut 55-65 MPH - Delaware 50-55-65 MPH- Florida 40-50(Minimum)-55-60-65-70 MPH - Georgia 40(Minimum)-70-75-80 MPH - Hawaii 45-55-60-60 MPH - Idaho 65-80 MPH - Illinois 45(Minimum)-55-60 MPH (Maximum) - Indiana 45(Minimum)-55-55-65-65 MPH - Iowa 40(Minimum)-60-65-70 MPH - Kansas 40(Minimum)-30*-55-65-75 MPH - Kentucky 55-65-65-65-70 MPH - Louisiana 55-65-70-75 MPH - Maine 40(Minimum Turnpike)-60-75-75-75 MPH - Maryland 50-55-70 MPH - Massachusetts 40(Minimum)- 65 MPH (Maximum) - Michigan 55(Minimum)-65(Maximum) - Minnesota 55-60-65-65-70 MPH (Maximum) - Mississippi 30-40(Minimum)-50(Natchez Not Allowed)-55-65-70 MPH - Missouri 40(Minimum)-60-60-70-75 MPH - Montana 65-70-70 MPH - Nebraska 40(Minimum)-60-65-70-75 MPH - Nevada 55-55-65-65-70-75-80(Permitted) MPH - New Hampshire 45(Minimum)-55-55-65-65-70 MPH - New Jersey 55-55-65(Maximum) MPH - New Mexico 55-55-55-65 (Maximum) MPH - North Carolina 55-70(Maximum) MPH - North Dakota 40(Oversize/Overweight Maximum)-65-70-75-80 (Maximum) MPH - New York 40(Minimum)-55-65(Maximum) MPH - Ohio 30-40(Minimum)-55-65-65-70-70 MPH - Oklahoma 25(Minimum Turnpike)-40(Minimum)-70-70-75*-80* MPH - Oregon 55(Maximum)-60 MPH - Pennsylvania 15(Below Maximum on Turnpike)-25(Maximum Hazards Needed)-45(Maximum Weather Restriction)-55-55-65-70 MPH - Rhode Island 50-50-55-55-65(Maximum) MPH - South Carolina 45(Minimum)-55-55-55-60-60-65-70(Maximum) MPH - South Dakota 40(Minimum)-65-70-80(Maximum) MPH - Tennessee 55(Minimum Left Lane)-65-70-70-70 MPH - Texas 75-80-85-130*(41 Mile Stretch) MPH - Utah 30-40(Minimum Winter Restrictions)-65-70-75-80 MPH - Vermont 45(Oversize/Overweight Maximum)-50-50-55-65(Maximum) MPH - Virginia 45(Oversize/Overweight Maximum)-45-55-55(Maximum) MPH - Washington 60 MPH Maximum (Regardless of Posted Signs) - West Virginia 40-45(Maximum Based on Engineering Investigations)-55-60-70-70 MPH - Wisconsin -65-70-70 MPH - Wyoming -70-75-75-80-80 (Maximum) MPH

Notes: Trip Sheet - Cat Scale - Racist - (k)id (Whiskers) - Lubricated - Visible Damage (Overall Condition) - Father slow women down at dinner table - Mindful Moral Movement (Light - UV) - "Pizza Party" (Husbantry - Host) - Key (Door-Lock) - Cheese - Rosco - Noodles - Vacuum Systems - Wheel Rim (Fasteners) - Google (Police Chief Son) - (Police (Aztec) Cannibalism ('Hanging' - 'Jump' - 'Release Bowels' - 'Sensor Tripping')) - Tire: (Green - White) - 4-cut lock visors (Might get you in trouble) - ANSI (Class 3 - Uline) - Boots/Shoes (Steel Toe - 'Tie your Shoes' - Touch You buy It) - Barbarian - Soccer (Football) - Viking - Clean Driver Room - Northern (12ST - Sunnyslope) - (i10 - Pilot) - Zerk (Zurg) (Alemite - Connectors - Divit - Fitting - Nipple) - Valley Blvd (Logs - Transmission) - (Laugh - Smile) - (Atomizing - Spaceship - VEG.) - (Club - Keno - Parade) - 51st Ave Buckeye (Care - Compassion - Respect) - Fuses (2A - 150A) Relay (Bi-Stable (Latching) - High Current - Mini - Micro - U-Micro) (Vehicle Power Distribution Module (VPDM) - Single Signal Activation Module (sSAM) - Battery Cable Acces (BCA) - Engine Controller) - Active Brake Assist - Adaptive Cruise Control - cab air bag - Amps (Current) - Voltage (Volts) - Watts (Power) - Ohms Law - (2)wo-men scared(isolation) - Mew (Mew) - Noodles (Casa Grande-59th Ave Northern) - Outermost (Outside) - Perfect Circles - abs sensor trailer (light) - Titanic (Titanium) 3 hours 11-12minutes - count bolts - layered bacteria*** - Mazzella - Truckers Against Trafficking - Sinclair - Music/ Movie Theater - Dancing/Disco - Li-ion Food -fito - Round Rock - cc(ml)

Sources: Atlas (Rand McNally) - CoPilot (Microchip(Soft) - Pc*Miller - Platform Science - Trimble (Charles Trimble)) - Federal Motor Carrier Safety Regulations (John Jack Keller) - Google (Larry Page - Sergery Brin) - Loves Travel Center (Judy & Tom Love) - Pilot Travel Center (Jim Haslam - Flying J) - TravelCenters of America LLC (Barry Richards - Debi Boffa - Peter J. Crage - The People) - Trucker Path (Ivan Tsybaev - Joseph Chen - Viktor Radchenko) - Smith System (Harold L. Smith) - Southwest Truck Driver Training (CDL Prep. - Jeffery Diaz - School) - Western Express (GRANDMA RULE® - Two Men and A Truck)