

**Southern Ohio Smoke Show  
Street Semi**

**Weight**

- 20,000 pounds

**Fuel Injection**

- ECM must be factory with factory connections. All ECM controls from the factory. Cummins engines must have Cummins ECM, CAT ECM, Detroit must have Detroit ECM, etc.
- No Sigma or Billet pumps are permitted.

**Fuel**

- On road diesel fuel only from the pump

**Hitch**

- Pullers must supply their own hitch.
- The hitch must be secured to the frame.
- The hitch must be attached at the fifth wheel and prove measurements from the center or back rear end housing to the hitch eye cannot be longer than 7 feet.
- The fifth wheel must be no further forward than the center of the front axle and no further back than the center between the two axles.

**Tires**

- Must have DOT approved tire.
- No cutting of tires permitted.

**Engine**

- Engine must be to make and model that was commercially available in a class 8 truck.
- The cylinder block and heads must be OEM castings and will operate with the stock crankshaft with a maximum cubic inch limit set at OEM stock CI for an engine with a 1% variance allowed for wear.
- No aftermarket intercoolers. Only the factory intercooler will be permitted if an engine is equipped with one.

**Turbo**

- All EOM factory turbos are allowed
- Water injection is permitted. Competitors may be required to drain water and use supplied water from/at the head official/promoter's discretion.
- No ether, alcohol, nitrous, or other combustible (propellant) liquid or combustible material may be injected into the turbocharger or any part of the air intake system.

**Weight**

- Weight with the driver may not exceed 20,000 lbs. A 2% variance will be allowed. All trucks will weigh, where capable with a driver.
- No hanging weight in front of the vehicle.
- Extra ballast weight is permitted. (Must be securely mounted). If your truck is overweight, you will move your hitch down 2 inches for each 1-1000 lbs over the 20,000 + 2% variance.

- All trucks must be equipped with chains or some type of limiting device on the rear drive axle to prevent the height of the frame from changing during the pull. The limiting device on the rear axle must not have any 'give' built-in.
- A solid rear drive axle is allowed. Chains or limiting devices on the rear axle must be tight (no slack) when the hitch is measured and must be visible.

#### Suspension

- Any adding or subtracting air from the air bags or doing anything resulting in an INCREASE OF HITCH HEIGHT while the truck is hooked to the weight transfer machine will result in disqualification.
- It must be understood that OEM air suspension automatically add and subtract air to compensate for load, but ride height remains CONSTANT!
- The height of the hitch must remain the same from start to finish.
- Adding air to the front is legal on air ride suspension, but must not change the hitch height.
- Airbags or air springs and/or mechanical lift mechanisms on front steering axles are NOT permitted.

#### Required Safety

- Guillotine or air kill (In the cab and rear of truck recommended)
- Battery disconnect switch
- Fire extinguisher within reach of the driver
- No riders

The tech official has the final ruling on any rules the day of the event.

**MUST WEAR HELMET AND HAVE A FIRE EXTINGUISHER INSIDE THE TRUCK.**

**NO RIDERS. DRIVER'S ONLY. A TRUCK CAN ONLY BE REGISTERED TO ONE CLASS AND ONE DRIVER.**