

# Work Stock Diesel Truck Rules

Valid Driver's License and vehicle insurance are mandatory.

## QUICK SUMMARY:

1. weight limit- 8,500lb, no external weights forward of the front bumper
2. Dot legal tires, 33"-35" x 12.5 or smaller preferred, no dual tire setups unless vehicle came factory with duals.
3. Upward or downward facing exhaust, no hood/fender exit exhausts.
4. Safety- (helmet) additional equipment encouraged-drive shaft hoops, kill switch at the rear of the vehicle.
5. Duel fueler/ twin injection pump setups allowed - No power adders- nitrous, propane assist, water meth injection.
6. Turbos- stock appearing factory style turbos, s300 frame turbos may run up to 69mm inducer wheel, s400 frame turbos must not exceed 64.5mm (2.5") inducer wheel, NO BIG SMEDINGS.
7. Receiver style hitch, 24" hitch height, hook point no closer to the center line of the rear axle than 48"- suspension stops and traction bars allowed.
8. Handicap for vehicles that cannot make the required weight will be handicapped by not being allowed to run suspension stops. Vehicles with aftermarket compound/twin turbos or have single turbo setups that do not meet requirements will be handicapped to 8,000lb and not allowed to run suspension stops or 20" hitch high @ techs discretion.

## Full WSDT Rules:

All club members must have working safety equipment. All club members found cheating set rules will be DQ'd for that hook and each subsequent pull until said issue/s are fixed. If there are any questions about your truck setup being legal, get a hold of Samuel or Steven.

1. BALLAST / WEIGHT: Ballast is permitted. No Hanging Front weights are allowed. Ballast may not be forward of the front Bumper. Ballast may be used in the bed, cab, etc., of the truck. NO BALLAST ON DRIVER FLOORBOARD or under DRIVERS SEAT. If used, ballast must be securely mounted/secured. 8500# weight with driver included, no external weights forward of front bumper.
2. BATTERIES: The batteries must be securely mounted. They may not be located in the driver's compartment or forward of the radiator core support.
3. BODY: The body must be an OEM truck body, including the full bed floor. No reinforcements above the frame rails. The body must retain full sheet metal. Aftermarket hoods permitted. The hood must be closed and securely latched while the vehicle is hooked to the sled. The complete OEM firewall and complete OEM floor pan are mandatory.
4. BRAKES: Four-wheel hydraulic brakes are mandatory.
5. CHASSIS: The OEM chassis is mandatory. The engine must be in the OEM location for the body used. The vehicle must retain the full OEM Chassis. Wheel tubs, back-half conversions, tube chassis etc., are prohibited.
6. COOLING SYSTEM: Radiators must be in the stock location and be at least stock size.
7. CREDENTIALS: All drivers must have a valid state driver's license.
8. DRIVELINE: An OEM transmission and transfer case are mandatory. They must have been an option on a one-ton or smaller pick-up.
9. DRIVERS' RESTRAINT SYSTEM: The OEM restraint system is mandatory and must be worn. Helmets are not required but highly Recommended.
10. DRIVESHAFT LOOPS: All trucks must have at least six-inch-wide U-joint shields around the rear U-Joint constructed of at least 1/4 STEEL or 3/8 ALUMINUM that will safely contain the U-Joint and the end of the rear shaft. All shields must be securely mounted to the vehicle. All Front Drive Shaft U-joints that are visible from the side of the truck must be shielded to contain the U-joint and the end of the shaft. Both front and rear driveshaft must have driveshaft loops.

11. ENGINE: The engine is limited to a stock-appearing, OEM make-specific compression ignition engine. The block AND heads must flow coolant. The engine is limited to any diesel engine available in a one-ton or smaller pick-up; I.E., transplanting a Cummins engine into a Ford or Chevy is allowed. No individual runner intake manifolds are allowed.
12. EXHAUST: All vehicles must be equipped to direct the exhaust vertically (upward or downwards). The exhaust must exit rearward of the driver compartment. Two 3/8-inch diameter bolts must be installed through the exhaust pipe in a cross pattern within an inch of each other, as close to the turbo as is practical. No hood/fender exit exhausts.
13. FIRE EXTINGUISHING SYSTEM: A fire extinguishing system is permitted. It must be securely mounted. 2.5# Fire extinguisher securely mounted. Fire extinguisher in reach of driver required. Complete OEM firewall required.
14. FUEL: The fuel must only be pump #1 or #2 diesel. Soy/ bio-diesel fuel is permitted. No oxygen-extending additives whatsoever.
15. FUEL INJECTION PUMP: The fuel injection pump is limited to a stock appearing, OEM engine make-specific pumps only. The use of multiple high-pressure common-rail fuel pumps is allowed. 6.0 and 7.3 Power Stroke engines may utilize a second HPOP. Pumps from different years in the same engine model may be interchanged. Dual CP3/CP4/K16 pumps are allowed.
16. FUEL SYSTEM: The OEM fuel tank is mandatory and must be used. Racing fuel cells are prohibited and must be removed from the vehicle.
17. HARMONIC BALANCER: All engines turning 4500 RPM and higher must be equipped with a harmonic balancer or damper, meeting SFI Spec 18.1.
18. HITCH: 24" Hitch Height. The hitch must be a receiver-style hitch; reinforcements are permitted. Reinforcements must not extend forward of the center line of the rear axle, Factory Reece style hitch vertical to the ground attached with at least eight bolts to both frame rails (four on each side). The hook point is to be no closer than 48" to the center line of the rear axle and must be rearward of the stock location of the tailgate. The hitch must be horizontal to the ground and stationary in all directions. The hitch height may not exceed 24 inches. The hooking point must have a minimum 3"x3.75" inside diameter opening for the sled hook. The hook point will be measured from the top of the sled's chain hook point on the clevis loop. Reese receiver with a solid square shaft, clevises are allowed if using DMI or solid shaft. Trick hitches are prohibited. The tech officials will determine trick hitches. Breakage of the hitch is a disqualification with no measurement recorded.
19. INTERIOR: A complete interior, including a dashboard, door panels, headliner, etc., is mandatory. Two matching front seats are mandatory. Aftermarket seats are permitted; they must be fully upholstered. All factory controls (lights, signals, horns, windows, wipers, etc.) must be retained and operative. The use of hand-throttled controls is prohibited.
20. POWER ADDERS: ALL Nitrous Oxide, Propane, Water Methanol, Etc. Injection is prohibited, along with other oxygen extenders and injectables. All system components must be unplugged or removed from the truck.
21. KILL SWITCH: All trucks must be equipped with a functional rear breakaway kill switch. Air or electric kill switches are allowed.
22. REAR-END: Non-OEM rear-ends housings are prohibited. The rear end must have been an option on a one-ton or smaller pick-up. A cap or shield must cover the rear axle bolts.
23. STEERING: The vehicle must retain the full OEM steering gear. The vehicle must retain the original OEM power steering assistance if it is equipped. Additional stabilizers are permitted.
24. STREET EQUIPMENT: Complete headlight and taillight assemblies (all) are mandatory and must be operative. Complete OEM windshields and windows are mandatory. Windows must be operative per factory specifications; that is, they must open and close via OEM electrical or mechanical means.
25. SUSPENSION FRONT: The upper mounting point for strut assemblies must be in the factory location. Adjustable caster/camber pillow ball mounts are permitted. The lower control arm may be strengthened, providing factory mounting points to the chassis are maintained. The lower mounting point for strut assembly may be modified for an improved caster or camber. Strut tower braces, lower tie bars, sway bars, and limit straps are permitted. Traction bars and devices are permitted. Axle conversions are allowed, for example strait axle replacing GMC IFS. It must have been an option on a one-ton or smaller pick-up truck.
26. SUSPENSION REAR: An OEM-style suspension is mandatory. Lowering or raising the height of the vehicle with suspension modification is permitted. Traction bars and devices are permitted; they must be bolt-on only; welds are permitted for attachment of brackets to frame and axle housing. Control arms may be strengthened or replaced, provided all original mounting points are retained. All rear suspensions must use at least one working shock absorber per wheel. Airbag spring assistance is permitted; airbag compressors and air tanks must be disconnected while pulling. Removable blocks are allowed.
27. TIRES: The tires must be DOT street tires. Cut tires are prohibited. The maximum size for tires is 35" Tall, and 12.5" Wide. If running duals, the maximum size is 33". If running duals, a dually bed is required.

28. TOW VEHICLES: Tow vehicles are prohibited, I.E., you are not allowed to pull the vehicle up to the pulling track with an ATV/UTV. The exception will be if you break and need a tow / pull off the track to the pits.

29. TRACTION BARS: Traction bars must face forward from the rear axle and be within 5 degrees of the drive shaft. No supports facing towards the rear of the vehicle off of the rear axle whatsoever.

30. TRANSFER CASE: Non-OEM transfer cases are prohibited. It must have been an option on a one-ton or smaller pick-up truck.

31. TRANSMISSION AUTOMATIC: Non- OEM transmissions are prohibited. Aftermarket converters, valve bodies, and internal components are permitted. Transmission brakes are prohibited. Any non-OEM floor-mounted automatic transmission shifter must be equipped with a spring-loaded positive reverse lock-out device to prevent the shifter from accidentally being put into reverse gear. A functional, neutral safety switch is mandatory. A Flexplate meeting minimum SFI Spec 29.1 or 29.3 is mandatory for all vehicles with engines running over 4500 RPM. It must have been an option on a one-ton or smaller pick-up truck.

32. TRANSMISSION MANUAL: Non-OEM transmissions are prohibited. Aftermarket internal components are permitted. A clutch meeting minimum SFI Spec 1.1 or 1.2 is mandatory for all vehicles with engines running over 4500 RPM. All manual transmissions must be clutch assisted. It must have been an option on a one-ton or smaller pick-up truck.

33. TURBOCHARGER: All Stock appearing turbos are allowed. All S300/400 Chargers are Limited to: S300 T4 frame turbos may run up to 69mm inducer wheel, or S400 frame turbo must not exceed 64.5mm (2.5") inducer wheel, checked with a 2.72 or 2.55 plug. MAP groove must not exceed .200" and clipped wheels are not allowed. MAP groove placement must be 90 degrees to the bore, within 1/4 inch of the wheel, and no forward-facing MAP grooves and no chamfered or beveled edges. Stock-appearing turbos are allowed for the make of the engine. I.E. Powerstroke turbo on Powerstroke, Duramax turbo on Duramax, Cummins turbo on Cummins. Stock appearing turbos are limited to ?? mm inducer. 6.4L Power Stroke engine may utilize the factory-appearing compound-turbo configuration. Stock-appearing turbos are allowed.

34. WEIGHT: 8500# weight with driver included.

35. WHEELBASE: The vehicle must retain the original factory wheelbase. Dual wheels MUST be covered by a factory dually bed or an aftermarket flatbed.

**8500# WORK STOCK DIESEL 4x4 TRUCK PULLERS WITH A LEGAL VEHICLE WILL BE ALLOWED 2 GRACE HOOKS WITHOUT FIRE EXTINGUISHER, DRIVE SHAFT LOOPS, VERTICAL EXHAUST, AND KILL SWITCH, PER PULLING SEASON.**

**HANDICAPS FOR TRUCKS NOT MEETING CLASS RULES:**

**Trucks that cannot make the required weight will be handicapped by not being allowed to run suspension stops OR 20" Hitch Height W/ Suspension Stops. ALL HANDICAPS WILL BE AT TECHS DISCRETION.**

**Vehicles with aftermarket compound/twin turbos or that have single turbo setups that do not meet class rules will be handicapped to 8,000 lbs., 24" Hitch Height and no suspension stops, OR 20" Hitch Height W/ Suspension Stops. ALL HANDICAPS WILL BE AT TECHS DISCRETION.**

**ALL EXCEPTIONS & HANDICAPS WILL BE AT THE TECHS DISCRETION!!**

