

# **Pro Stock Diesel Truck Class**

## Pro Stock Diesel Truck Category Rules



### **Pro Stock Diesel**

#### **Weight breaks**

7800 lbs. Weight is with driver.

#### **REGULATIONS**

##### **Ballast:**

Hanging weight may not extend past 60 inches from the centerline of the front axle. Weights must be securely attached to the vehicle.

##### **Batteries:**

Batteries must be securely mounted if used. They may not be located in the driver compartment.

##### **Body:**

Trucks must remain stock appearing. Must have full size steel or OEM type body.

##### **Brakes:**

Vehicle must have adequate stopping power.

##### **Credentials:**

All drivers must have a valid state driver's license.

##### **Driveline:**

Drivetrain may consist of any front axle, transmission, transfer case and rear axle. No planetaries permitted. All u-joints must be shielded 360degrees by at least ¼" steel or 3/8" aluminum that will safely contain the u-joint and the end of the rear shaft. Shields are to be six inches long minimum and centered on the u-joint. All shields must be securely mounted to the vehicle. Axle shields of at least .060 thickness aluminum or steel are required. Shields may not be mounted to axle ends or hub bolts. A hole may be cut in one to allow locking in of front hubs.

##### **Driver Restraint System:**

The OEM or equivalent SFI restraint system is mandatory and must be worn.

##### **Engine:**

Maximum engine size will be 460 cubic inches. Engine must come from factory in one ton or smaller diesel pickup truck. Engine must remain in stock location as intended by manufacturer. No aftermarket blocks are permitted. Outside of cylinder head must measure factory width and length. Head must retain OEM valve angle. Front of engine block can be farther forward than 17" of centerline of front axle.

**Exhaust:**

The exhaust must exit the vehicle upward within ten degrees of plumb. Two 3/8" diameter bolts must be placed through the exhaust pipe in a cross pattern within one inch of each other, within 6 inches of the turbo.

**Fire Extinguisher System:**

A fire extinguisher system is required. It must be securely mounted in the cab.

**Fuel:**

The fuel must be pump #1/#2 diesel only. Soy/Biodiesel fuel is permitted. Off-road diesel fuel is prohibited. No alcohol, nitrous, propane or any oxygen enhancing agents allowed. Racing fuel cells are allowed. No fuel lines or tanks permitted inside of truck cab unless securely mounted in a marine box.

**Fuel Injection Pump:**

Largest pump allowed will be a P-pump with a maximum of one plunger per cylinder.

**Hitch:**

Trick hitches are prohibited. The hooking point must be no closer than 44" of centerline of the rear axle. The hitch must be easily accessible and stationary in all directions. Bumpers may be notched or removed. The hitch's height from the ground may not exceed 26 inches. The hooking point must have a minimum 3.00 inch wide by 3.75 inch long inside diameter opening for the sled hook. Hitch must not exceed a maximum of 25 degree angle from the pivot point to the hook point. No hitch supports or adjusters, if fastened to the rear axle housing shall be above the centerline of the rear axle. Pivot pin of drawbar can be no farther forward than the center line of the rear axle.

**Master Cutoff:**

A sled and driver operated spring loaded emergency air shut off is required (rain cap or guillotine). The cable must terminate into a two inch diameter steel ring at the rear of the truck, within twelve inches of the hitch.

**Nitrous Oxide:**

Nitrous oxide is prohibited. No other oxygen extenders are allowed. All system components must be removed from the truck or bottles removed and lines capped after the solenoids.

**Propane:**

Propane is prohibited. All system components must be removed from the truck or bottles removed and lines capped after the solenoids.

**Safety equipment:**

All drivers must wear fire suit or coat and pants (SFI3.2/A1 or better). All drivers must wear a Snell approved helmet.

**Suspension:**

Suspension modifications allowed. Removable suspension blocks are allowed. No air bags.

**Tires:**

Bar or cut tires are allowed. Maximum tire size to be 112" circumference, when inflated to 30 psi, with original bar, not to exceed 18 inches in width before cutting. Maximum of four tires permitted.

DOT approved tires. Maximum tire height 35". No studded tires or chains. Dual rear wheels are allowed. Dual front wheels are prohibited.

**Transmission:**

SFI bell housing blankets and or SFI blow proof bell housing required. All intermediate shafts between the transmission and transfer case must be totally enclosed in 3/8" thick aluminum or 5/16" thick steel. 1/4" of the shaft may be visible.

**Turbocharger:**

The turbocharger is limited to one single smooth faced intake housing turbo with an inducer bore of 3.6 inches or less. No map ring allowed. All air must enter through the 3.6 inch intake opening. Intake wheel must protrude 1/8" inside of opening. Driver will be responsible to come to scale with turbo accessible for measuring.

**\*Legal 3.0 turbo chargers that competed with MLM Motorsports in 2017 will be allowed to run in 2018. In 2019 only smooth bore turbos will be allowed.**

**Water Injection:**

Water injection is allowed. Alcohol, methanol and all other flammables prohibited. All system components must be removed from the truck.

**Wheelbase:**

Maximum wheel base length 158".

**\*All judgement calls will be made by MLM tech officials and will be considered final.**