

## **TTPA 8000 lbs. Diesel Truck Pulling Rules 2009 & 2010 Pulling Season**

**(Rules will be in place for 2009 & 2010 season.)**

- 1) These rules are in effect for one (2) years. TTPA reserves the right to adjust rules for fair play throughout the year. All general & safety rules apply.
- 2) All competing pickup trucks must:
  - a) Drivers entering vehicles in this class do so at their own risk.
  - b) All drivers must be at least 16 years of age.
  - c) Seat belts must be worn while hooked to the sled.
  - d) Driver may not leave vehicle with engine running.
  - e) If the TTPA rules do not address something you want, do not assume you can make changes or additions. You will be DQ'D! Ask Permission first!
- 3) Tire guidelines:
  - a) Tires must carry D.O.T. numbers on sidewalls.
  - b) Tire height may not exceed 35".
  - c) Tires may not be filled with any ballast.
  - d) Dual rear wheels are permitted.
  - e) No terra tires allowed.
- 4) Weight class is 8000 lbs. Total weight of vehicle + driver = 8000 lbs. Max.
- 5) Hitch Guidelines:
  - a) Hitch point may not be more that 26" from ground.
  - b) Hitch point may be easily accessible.
  - c) Hitch must be stationary in all directions.
  - d) Hitch must be a Reese style Rigid frame mounted hitch.
  - e) Hook point must extend to the past the furthest rear of the truck, including the rear bumper.
- 6) Engine Guidelines:
  - a) All engine blocks must have been manufactured or available as factory option on standard 1-ton or smaller pick-up trucks.
  - b) Engines swaps between manufacturers are permitted.
  - c) No aluminum engine block or heads are permitted unless OEM.
  - d) Diesel Fuel **and Bio Diesel** only.
  - e) Absolutely no propane, alcohol, nitrous oxide, or other oxygen extenders.
  - f) No water injection.
  - g) The vehicle is limited to a single turbocharger; the inducer bore on the compressor housing may be no larger than 2.8" measured at the smallest diameter area of the compressor wheel. A bushing may be used to down size the

- compressor housing ahead of the wheel. If a bushing is used, it must be round, at least  $\frac{3}{4}$ " long, mounted within 0.050" of compressor wheel, and the inside diameter of the bushing may not exceed the 2.8" limit. The inlet will be measured using a 2.85" plug. A stock map width enhancement (MWE) groove is allowed. No MWE groove will be allowed that has a width greater than  $\frac{1}{4}$ ". All provisions allowing air to the wheel other than via the bore and the MWE groove are prohibited. Chargers will be tech checked. (Note) Turbo / Charger rules will be reviewed for changes after the 2008 season.
- h) Motor must be in stock location. (Does not apply to letter (b) above.)
  - i) Exhaust pipe discharge must exit up. Two  $\frac{3}{8}$ " diameter bolts must be placed through the exhaust pipe in a cross pattern with one inch of each other as close to the turbo as practical.
  - j) No stroker motors. (Engine bore allowed up to .040 over bore max.)
- 7) Transmission and Axles:
- a) Transmission, axle and radiator must be in stock location.
  - b) After market transmissions or transfer cases are not permitted.
  - c) Rear springs must flex a minimum of 1"
  - d) Ladder bars are allowed.
  - e) Trans blanket or Bell Housing with safety clutches are required on vehicles that exceed 3500 RPM's. (It is up to the driver to prove.)
- 8) Safety rules:
- a) Each drive shaft must have a minimum of two (2) loops.
  - b) If the pickup has a shaft between transmission and transfer case, no longer than 24", then one (1) loop, properly centered will suffice.
  - c) Loop material shall be made minimum of  $\frac{5}{16}$ " steel or  $\frac{3}{8}$ " aluminum, no less than 1" long loop.
  - d) Loop location to be no closer than 6" or no further than 12" from each u-joint.
  - e) Maximum shaft clearance to be 2" horizontally and 8" both ways vertical.
  - f) U-joints must be enclosed by a 360° shield,  $\frac{1}{4}$ " steel or  $\frac{3}{8}$ " aluminum at least 8" long center mounted around u-joint.
  - g) Must use at least grade 5,  $\frac{3}{8}$ " bolts to attach driveline safety shields. If two piece shields are used, the tabs for the bolts can be no further apart than 6".
  - h) A kill switch is required on all trucks. Kill switch will be checked when going across the scales at every pull. (See general rules.)
  - i) All drivers must wear:
    1. Fire Suit, gloves, boots, head sock (minimum rating SFI 3.2A-1).
    2. A DOT safety helmet is required while hooked to sled. (Helmet does not have to be full face.)
- 9) All trucks:
- a) Must have working brakes.
  - b) Doors must open and close.
  - c) Must have fire extinguisher in working condition within easy reach of driver.

- d) Must have Air Shut offs on in line fuel pumps. (Required on all vehicles that exceed 3500 RPM's. It is up to the driver to prove.)

10) Weights :

- a) Weights or weight bar, all weights must be securely fastened to vehicle with the leading edge of weight or hanger no more than 60" in front of axle centerline.
- b) All weights must be securely fastened in pickup box or on weight bar. No weights allowed in the cab. **NO EXCEPTIONS!**
- c) All trucks must have tailgate or cargo net.
- d) If any weights fall out of your vehicle at the scales, pit area or on the track, the vehicle will be disqualified from competition.

Rev. Release #1 - 11/20/04: Rules as stated on this document were reviewed and officially approved by the TTPA Board of Directors on 11/20/04 for the 2005 pulling season. (These rules will be reviewed post 2005 season for additions, changes or deletions).

Rev # 2 November 2005 for 2006 & 2007 Seasons. Shaded Gray areas are the 2006/2007 TTPA approved changes.GH Rev 03/29/08: Rules revised & added (#1) (#6 f, g, i & j) (#7 e) (#8 h & j) (#9 d) (#10 a & b) for 2008 Season. Rules approved by Class Members & Board on 04/19/08.

Rev #4 ~ November 8, 2009 ~ Rules revised & added (#1) (# 6 D) (# 7 A) (#8 D) (# 8 I added). Removed (# 8 I) (# 8 J) (# 8 K). Rules approved by Class Members and Board Members on November 8, 2009, 1<sup>st</sup> Reading. 2<sup>nd</sup> Reading Board Approval, January 17, 2009. Rules in place post 2010 season.

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