

# **12,000 Open Farm Rules**

**Rules will be in place for 2024 Season.**

## **1. AGE**

- a. Any age of tractor/ 2 wheels / rear wheel drive train only.
- b. All drivers must be at least 16 years old, with legal proof in their possession.
- c. All contestants enter at their own risk.

## **2. FUEL** – Diesel fuel only

- a. No nitrous oxide
- b. No LP
- c. Water injection allowed.
- d. NTPA Water & Fuel Rules apply.
- e. Must have water & fuel sample valves.

## **3. MOTOR** – Cylinder, block, head and crankcase factory supplied OEM, OR OEM REPLACEMENT

- a. Maximum 640 cubic inch allowed.
- b. Must be stock appearing, for that make and model
- c. All components will be stock original pieces, or stock/refurbished components that were originally made by the tractor models manufacturer.
- d. All components must bolt in the original stock location modification.
- e. Heads will be for that make/model.

## **4. MOTOR RPM LIMITS**

- a. 3250 max.
- b. Mandatory working governor – will be rpm checked
- c. TTPA official will pull the throttle for governor/tack checks
- d. Owner/driver is responsible for the reflective tape to be put on the flywheel or harmonic
- e. No reflective tape for tach checking is a disqualification
- f. Must have a tach trigger plug securely mounted near the rear air shut off cable.

## **5. DIESEL FUEL PUMP**

- a. Bosch P-3000 13mm pump
- b. Must have a 3-way bypass valve mounted before the injection pump operated from seat.

**6. HOOD, GRILL, FRAME TRANSMISSION, REAR END AXLES, CLUTCHES AND BRAKES**

- a. Must be stock in appearances and dimensions for the make/model
- b. Homemade front axles allowed. 114" Maximum wheelbase.
- c. Wide fronts only. Front tires will track within the rear tires.
- d. Slipper clutch allowed
- e. Changing of Rear End Gears allowed
- f. Factory brakes or better. Must work.
- g. Three Pt. Hitch is not allowed on the tractor or for rear weight brackets
- h. Weights must not exceed rearward beyond rear tires vertical edge, and cannot be more than 13 ft. from the centerline of the rear axle to the furthest point forward.
- i. No differential locks allowed in competition, and must be made inoperable.

**7. TURBO**

- a. No larger than 3" In & 3" Out (Must follow NTPA Rules & Tech Inspection Rules), unless TTPA board variance is given. (new for 2004)
- b. No intercoolers.
- c. Must have two 3/8" bolts in horizontal portion of exhaust pipe. Bolts must be installed 90° degrees to each other.
- d. All Turbos will be teched and tagged before the start of the season, along with spot checks throughout the season.

**8. HITCHES**

- a. Will be factory or better drawbar with a 3" wide and 3-3/4" long opening. No Clevis.
- b. Drawbar will be no closer than 18 in. from center of the rear axle to hitching point.
- c. No vertical supports above centerline of rear axle
- d. Hitch height is 20".
- e. Drawbars to be ridged in all directions

**9. SAFETY**

- a. Wheelie bars, NTPA/TTPA Guidelines & Rules
- b. Kill switch must activate the air shut off valves per NTPA/PRO Farm rules, located in an area easily accessed by sled hooker official
- c. No Steel fans.
- d. Must have factory appearing fenders

- e. Must have 200 – lb. movable ballast
- f. Must wear SFI fire suit, neck brace, gloves, head sock and fire shoes, SFI 3.2A-1
- g. Must wear full face DOT approved helmet.
- h. Must have a minimum of 2.5 lb. fire extinguisher with access by the driver.
- i. Must have a roll cage & tie bars (Built to SFI specs.) 5 pt harness and detachable steering wheel.
- j. Front Skis per NTPA Specs.
- k. Must have 2 reverse lights. One in dash and at rear of tractor center or above the hitch.
- l. Front Balancer must have 360° shielding.
- m. All tractors must have side shields.
- n. Tractors with fiberglass hoods need minimum .090 aluminum inner side shielding and minimum .090 aluminum turbo shroud.

10. **TIRES/RIMS** – front and rear – Aluminum rims allowed.

- a. Rear – Tire size maximum of 24.5 on a 32" rim, 20.8 on 42" rim, or 18.4 on a 46" rim. Any cut, bias or radial tire.

11. All rules will be for 2 years, with conditions that the TTPA board may alter for safety and fair play.

12. All General Rules Apply.

---

Revisions:

November 2003 – TTPA Turbo Rule Approved and instated by Board

February 2004 – TTPA board approved Slipper Clutch. Top Cut Tires & Non-OEM Gears for rear End

March 2004 – TTPA Voted and clarified; OEM replacement Engine Blocks only for the year Make and Model of the tractor.

Rev. # 4 ~ January 2009 ~ Rules revised and added for 2009 & 2010 seasons; # 2C, # 3A, # 4A, # 5B, # 6F, # 8A, # 9G, # 9F, # 9I, # 10, # 10A & # 10B. TTPA Board Approved 1<sup>st</sup> Reading 02/21/09 & 2<sup>nd</sup> Reading 03/19/09.

February 2013 ~ Class approved Rule #2D - NTPA Water & Fuel Rule, #2E – Sample Valve, #3E – Heads for make & Model, #4F – Tach Trigger, #5A – Delete Must have stock Fuel Pump, #5B – 3-way bypass, #6B – 114" Max Wheelbase, #7B – No intercoolers, #7C – Two 3/8" bolts in exhaust, #8A – Factory or better drawbar 3" x 3-3/4" opening, #8D – Hitch height 20", #9C – No steel fans, #9J – Front Skis, #9K – Reverse Light, #9L – Front Balancer 360° shielding, #9M – Side Shields, #9N – Fiberglass Hoods inner side shielding, #10A –Rear tire sizes, #10B – Delete Front tire size & #11 Rules in place for 1 year post 2013 Pulling Season. Board Approved 1<sup>st</sup> Reading ~ 03/16/13 & 04/20/13 ~ 2<sup>nd</sup> Reading.

2014 Rules ~ No Changes. Rules in place for 2 years post 2015 Pulling Season.

---

***Note: This document is not to be copied, revised, used or changed by any other organization other than the, Thumb Tractor Pulling Association Inc. without the written approved / consent of the TTPA Board of Directors.***