

## **Light Pro Stock Tractors**

### **PPL RULES**

1. All OEM chassis rules (No component chassis allowed), including shielding, safety, and SFI requirements, apply to this class plus the following rules.
2. Maximum tire size not to exceed 24.5" x32".
3. Maximum weight 8500 lbs.
4. No engine larger than 540 cubic inch. OEM replacement blocks permitted. Must be PPL approval.
5. Cast or manufactured cylinder head will be accepted. Cylinder head must retain OEM length and width for the engine application. Valves must remain OEM angle for engine application. No overhead cams allowed. Maximum 2 valves per cylinder.
6. Diesel fuel only. P-7100 injection pump is the largest allowed. ( 2-5/8"W X 9-9/16" X 8-3/16" H main pump body) Only one plunger per cylinder allowed.
7. Turbo: All exhaust will exit through a 4.5" opening in the exhaust housing. Exhaust wheel must protrude 1/8<sup>th</sup> inch inside bore.
8. No inner/after coolers allowed. No CO2 or any other means of cooling the air in the piping or manifold. No ice filled or ice cooled devices onboard tractor of any kind. All engine air must enter inlet of turbo at ambient air temp & humidity. Inlet air may not be drawn through or across any type of cooling device.

## **Super Farm Tractors**

1. Maximum weight permitted 9,500
2. Maximum tire size is 24.5" x 32".
3. Maximum cubic inch limit is 640. Maximum of 8 cylinders permitted.
4. Any cast or manufactured cylinder head will be accepted. Cylinder head must retain OEM width and length for the engine application. Valves must retain OEM angle for the engine application. 2 valves per cylinder maximum. Cylinder head must retain OEM bolt pattern for exhaust manifold and intake. The stock exhaust manifold and intake bolt pattern must be used to attach the exhaust manifold and intake. No overhead cams permitted.
5. Intake manifold: maximum inlet size 4" measured on the outside diameter. One inlet pipe only.
6. OEM exhaust manifolds for that model and series engine only permitted on cylinder head.

7. Intercoolers are permitted with the use of water and/or ice only.

Chassis-

8a. Components are not permitted.

8b. OEM rear-end, transmission, and engine must be in stock location, bolted and secured to OEM chassis.

8c. Engine cannot move independent or rear-end/ transmission housing(s).

8d. Stock transmission housing or manufacturer's replacement and stock final drive housings or manufacture's replacement.

8e. Chassis and frame must remain stock from rear or engine block to the rear of tractor.

8f. Tie bars are mandatory or full frame must be mounted rigid to engine, transmission, and final drive housings.

9) Fuel Systems: Largest fuel injection pump allowed will be a P-pump OE housing with only one plunger per cylinder. No aftermarket pump housings permitted.

10 Turbos:

10a. Altering of a turbo housing to accommodate a smaller foot or base will not be permitted.

10b. Exhaust housing and exhaust manifold bolt pattern shall be no longer than 2.75" x 3.5" inches.

11 Intake:

- Map width enhancement is allowed. Maximum map width .200". MWE groove must be inside neck area where intake covered is measured at 3"
- Compressor wheel must protrude into three inch bore.
- Intake housing to be no larger than 3 inches at the face of the wheel.

12 Exhaust:

- All turbine wheel blades to protrude into 3 inch bore. All air must exit through 3' opening. No map width enhancements on exhaust housing permitted.
- Turbine wheel exhaust blade to be no less than 2.90" in diameter at intersection of turbine wheel face and tip diameter.
- Turbine housing to be no larger than 3 inches at intersection of turbine wheel face and tip diameter.
- Exhaust housing will be measured at intersection of turbine wheel face and tip diameter.

13. No waste gates will be permitted.
14. No variable geometric turbos permitted.
15. All other tractor rules apply.