

# Diesel Light Limited Super Stock

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Class weight 6500lbs.

## Engines

1. Engine crankcase, block, and cylinder head must be of same manufacturer, or factory replacement and can be used in any agricultural transmission and rear end that used that brand of engine, or through its company mergers used that brand of engine.

Example: CNH= CASE, FARMALL, INTERNATIONAL, CASE IH, FORD, NEW HOLLAND

OR AGCO= OLIVER, MOLINE, WHITE, MASSEY FERGUSON, AC, DEUTZ

2. Engine must match brand of tractor.

3. Rear of engine must be in stock location for make and model of rear end and transmission housing, with a maximum tolerance of a 1" adapter plate.

4. No V-8 engines allowed.

5. Cylinder heads must be the OEM manufacturer casting for said tractor and engine block or factory replacement block at the time of manufacture. Original casting must be retained. Porting and polishing of the original ports is allowed. Modifications to the cylinder head(s) to accept for billet, casted, recast, molded or any other kind of insert is NOT allowed. Cylinder heads limited to two valves per cylinder. No overhead camshafts allowed.

6. Use of supercharger(s) is not allowed.

7. Maximum of 315 cid (+ or - 1 percent) for twin turbo charged diesel engines. Intercoolers allowed.

a. Turbocharger(s) shall not exceed a 3.4" inlet and a 4" outlet measured at the face of the wheels. Slot cannot feed inlet face of wheel and .200 MAF enhancement allowed.

8. Maximum of 410 cid (+ or - 1 percent) for single turbo charged diesel engines. Intercoolers allowed.

a. Turbocharger(s) shall not exceed a 3.4" inlet and a 4" outlet measured at the face of the wheels. Slot cannot feed inlet face of wheel and .200 MAF enhancement allowed.

10. Maximum of 470 cid (+ or - 1 percent) for single turbo charged diesel engines. No intercoolers allowed.

a. Turbocharger(s) shall not exceed a 3" inlet and a 3" outlet measured at the face of the wheels. Slot cannot feed inlet face of wheel and .200 MAF enhancement allowed.

11. The maximum allowed size pump for diesel injection is a p7100 p-pump. (No aftermarket housing). Only one plunger per cylinder allowed.

### **Chassis**

1. OEM tractor rear end and transmission housings only will be accepted, no component tractors allowed.
2. Maximum length 13 feet measured from center of rear axle to forward most point, excluding tow hook.
3. Maximum wheelbase 114".
4. No type of front end suspension will be allowed, swivel axle front ends will be accepted.
5. Skid plate should be mounted in-line with each frame rail and extend from the center of the front axle forward
6. Tractors should have a full running frame rail from the axle housing to the front of the tractor or tie bars running from the axle housing to the frame. The tie bars must be able to support the weight of the tractor with all of the bolts from the transmission housing removed.
7. Wheelie bars independent of hitch. Must be able to lift tractor with jack under pad in heaviest class tractor participates in.
8. Maximum hitch height 20" and will be no shorter than 18" measured from the center of the rear axle to the hooking point.

### **Tires**

1. 24.5 x 32 with a maximum of 210-inch circumference, when inflated to 10 psi. Tread width not to exceed 25 inches. (30.5 x 32 tires will pull at 6250#)

### **Safety**

All competitors will wear helmet. Snell 2005 rating or better.

All tractors will have steel flywheel assembly. No cast iron.

All tractors will use Bellhousing blanket.

A safety kill switch at the rear of the tractor.

Must have at least 2 ½ lb. Fire extinguisher and be convenient to the operator.

Roll cage or roll over protection is required and safety belt is required.

Fenders must be constructed so that when the driver is secured in the competition position no part of the driver's body can touch the tire.