

Ohio Single Engine Modified Tractor Rules
Revised March 25, 2016

General Rules

1. Weight on class is 5200 pounds.
2. Tractors will be operated in a safe manner on the track and in the pit area.
3. Must be a paid club member and sign registration form to participate in any club event
4. Club dues can be paid in full for \$175. A one- time hook fee can be paid in the amount of \$100. A second hook would require the additional \$75 fee for that year. Associate member fees are \$25 per year.
5. Club membership will be revoked indefinitely at any time if any member is found to be behaving in an inappropriate or unsportsmanlike manner. This includes, but is not limited to: vulgar language, under the influence of drugs or alcohol, threats against any fellow members, fair board members, or tech officials . Any OMTPA member, associate member, participant, OMTPA officer or individual participating in any OMTPA event that conducts themselves in an unprofessional manner will be disqualified from the current event and will not be allowed to participate in any OMTPA event for 1 year and 1 day. The boards' decision on the matter will be final.
6. Driver must be at least 16 years of age. If driver is at least 16 but not yet 18 years of age, driver must have legal guardian's written consent.
7. Every tractor will be inspected at least one time during the pulling season by an appointed tech official, and/or by two other drivers from the club. No driver will be permitted to technically review their own tractor.
8. Any tractor is subject to technical review at random during the season.
9. Someone capable of operating and controlling the tractor must be seated on the tractor when the engine is being started and while the engine is running. An engine running while the driver's seat is unoccupied will be cause for disqualification.
10. When it is your turn to pull, driver must be hooked to sled within 3 minutes.
11. Any weights lost while tractor is hooked to sled will result in disqualification. Placement in class and measurement will NOT be taken, however show up points will be given.
12. If tractor goes out of bounds, it will result in disqualification. Placement in class and measurement will NOT be taken, however show up points will be given.
13. Any class rule can be changed by majority vote. Only one vote per competing tractor or committee member or associate member holding an elected position.
14. These rules and regulations have been established to ensure the safety of drivers, pit help and fans. Should you have any questions regarding any rules listed, please contact us for clarification.

Motor Specifications

1. No cubic inch limit.
2. Tractor engines are limited to one cast iron or aluminum automotive type engine, no larger than eight (8) cylinders.
3. All cylinder heads will be stock configuration (GM style block must run GM style heads, Ford style block must run Ford style heads), limited to two valves per cylinder. NO SPREAD BORE, EIGHTEEN DEGREE OR HEMI HEADS. No spread port heads on Chevys. This applies to big blocks only.
4. Small blocks only- cast iron heads must be no less than 14 degrees.
5. Exhaust headers must be straight up.
6. Engine must be naturally aspirated with one carburetor only.
7. No tunnel rams or sheet metal intakes.
8. Maximum 2 inch spacer or adapter between carburetor and intake manifold allowed.
9. Permitted fuel: regular gasoline, racing gasoline, alcohol. NO OXIDIZERS OR PRESSURIZED FUEL TANKS.

Driveline and Frame Specifications

1. Agricultural 2WD rear ends ONLY. No outboard planetary rear ends.
2. Maximum tire size is 18.4 x 38.
3. Maximum frame length is 14 feet from the center of the rear axle to the farthest most point forward, including front weights, EXCLUDING tow point.
4. All tractors must have a wide front end. Must track close to rear tires.
5. All tractors must have individual, rear working breaks.
6. Wheelie bars are REQUIRED ON ALL TRACTORS!
7. Wheelie bars must be capable of supporting weight of tractor.
8. Wheelie bars must extend no less than 32 inches behind the center of rear wheels, and a maximum height of 10 inches at rear most point. Wheelie bars should be equipped with a vertical support brace.
9. Wheelie bar pads must be 5 inches square MINIMUM.
10. All tractors are required to use a roll cage. Cage must be attached to the tractor at a MINIMUM of 6 points. Required minimum is two tubes coming over driver's station, and one lateral bar going around the cage. There will be two diagonal braces running from frame rails to front tube of cage.
11. Rear weights on tractor cannot extend past rear tires.
12. Drawbar must be clear and visible for sled hook.
13. Drawbar must be rigid in all directions, and securely mounted to vehicle frame.
14. Drawbar must use a steel hitching device, no more than 1 and ½ inches and no less than 1 inch thickness in all directions. Hitch hole will measure 3 and ½ by 3 inches.
15. Drawbar will be no shorter than 18 inches; measured from the center of rear axle to the hook point.
16. Maximum drawbar height is 20 inches.
17. All drawbars will be locked in place after hitch height is set.
18. Drawbar must be parallel to the ground within 15 degrees. No cam "L" or drop down hitches permitted.

Driver and Equipment Safety

1. All drivers must wear SFI approved helmet.
2. All tractors must have an SFI approved 5 point harness with quick release clasp, required to be worn by driver when tractor is hooked to sled.
3. All drivers must wear SFI 3.2A/1 or SFI 3.2A/5 approved fire suit. A one piece full suit OR a two piece suit is acceptable. It is recommended that drivers wear a Nomex head sock, gloves, and fire resistant shoes.
4. All tractors must have a fire extinguisher within the driver's reach. Fire extinguisher must be a 2 pound minimum, and in proper working order with a properly working gauge.
5. Any tractor with a detachable steering wheel must have wheel installed and securely attached to steering shaft when the engine is running.
6. All tractors must have engine side shields, minimum .060 inch thickness steel, or 0.125 inch aluminum thickness. Shields must extend from top frame rails to bottom of head (top of block).
7. Dead man throttle is required-HAND THROTTLE ONLY.
8. Must have double springs on throttle.
9. Harmonic balancer must be surrounded with ¼ inch thick steel cross unless balancer is SFI approved.
10. Engine fans or cooling fans and all belts must be completely shrouded with 1/16 inch or thicker steel.
11. All tractors must have a battery disconnect switch. Switch should be located toward the front of the tractor and easily accessible from the ground.
12. All tractors must have a working kill switch located in the rear center of the tractor.
13. All automatics and manual transmissions must have a neutral safety switch. All automatics must have a reverse lockout.
14. All tractors with automatic transmissions will use a SFI approved flex plate.
15. All tractors with automatic transmissions must be covered with a transmission blanket or quarter inch steel plate from rear of block to tail shaft housing, and from frame rail to frame rail; OR must have SFI approved six buckle transmission blanket; OR two of the three buckle transmission blankets; OR SFI approved safety transmission shields attached to engine and frame.
16. Manual transmission bell housing must be SFI approved.
17. Flywheel assembly must be billet steel or aluminum flywheel and SFI approved. NO cast iron permitted. All clutch assemblies will be steel and SFI approved.
18. All tractors using clutch/bell housing assembly will use an approved block saver plate. Bell housing will be mounted with eight (8) 3/8 or larger grade 8 bolts. Four (4) 3/8 or larger grade 8 bolts will hold bell housing to back of block and four (4) 3/8 bolts will hold bell housing to block plate. The four bolts holding bell housing to the block plate will be between the bolts that hold the bell housing to the block.
19. Driveshaft must be shielded 360 degrees from one end to the other, with a minimum of ¼ inch thick aluminum or 1/8 inch steel, visible at the other end.

