

Multi Engine Modified Tractor Division

General Guidelines and Safety Rules

3501

Revised 5-2-17

CHAPTER 1

1-1 ACTIONS

All drivers and crew members must act in a sensible manner. If not, after one warning they will face possible expulsion from the organization.

1-2 AGE REQUIREMENTS

Drivers must be 16 years old. 16-18 years old must sign a release waiver.

1-3- MEMBERSHIP

Membership is open to anyone who keeps their dues current, and follows the guidelines set forth by the club. You must be a current member of the O.M.T.P.A. to pull at an O.M.T.P.A. event.

1-4 RULES VIOLATIONS

1st violation – lose points and money for that day.

2nd violation – barred from the club for 1 year and 1 day.

1-5 PURSE PAYOUT

If the purse at a pull is paid in full, it will be dispersed to the club for placing. The purse money will be paid to tractors attending that move the sled. Any money left will be divided between the pullers. If there are less than 10 tractors at an event and if any members come to a pull, pay an entry fee, cross the scale and hook but cannot pull because of mechanical failure, they will receive last place money. If there is more than one puller that has mechanical failure, the last place money would be divided between them.

Chapter 2

CLASSES / POINTS SYSTEM / PULL OFFS

2-1 CLASSES

MODIFIED TRACTOR

- A. Up to 2 Supercharged V-8s (no hi helix rotors or cases allowed)
- B. 1 Supercharged cast block hemi (8-71 blower limit, hi helix allowed)
- C. Up to 3 naturally aspirated V-8s
- D. Up to 2 cast block hemi naturally aspirated
- E. 1 carbureted Allison / Packard / Rolls-Royce V-12 carbureted with no auxiliary blowers
- F. Up to 4 naturally aspirated small block V-8s
- G. ONE TURBINE or combination of N.Y.P.A. recognized turbine not exceeding a maximum of 2850 total HP, using ratings as approved by the N.T.P.A.
- H. Up to 2 Automotive Diesel engines
- I. Single 572ci engine with 1471 hi helix
- J. No spread bore heads allowed on ANY engine combo

2-2 POINTS SYSTEM

Any tractor that shows up to the hook will be awarded 5 points. Points will be awarded to the tractor in declining increments of 1 point, from 1st to last. For example – if a class has 12 tractors, the points will be awarded as such:

12 pts for 1st

11 pts for 2nd

10 pts for 3rd

2-3 POINTS – YEAR END AWARD

Awards will be given out upon availability. This will be voted on prior to the seasons start.

2-4 MANDATORY MEETING POINTS

10 pts will be awarded to the TRACTOR for the competitor that attends the MANDATORY meeting. This is an incentive for all competitors to attend the annual rules meeting.

CHAPTER 3

CERTIFICATION AND PROTESTS

3-1 CERTIFICATIONS

Certifications of a tractor are required. This includes weighing, drawbar measurement, and inspection of all safety equipment and the tractor itself. Certification must be checked and certified by one of the elected tech officials on each competing tractor, no-one is allowed to certify their own tractor.

3-2 TRACTOR WEIGHT

Tractor and driver can only weigh a maximum of 6500 lbs. No addition can be made after weigh-ins (without reweighing).

3-3 WEIGH OUT

If required by the pulls officials, it must then be done by all pullers.

3-4 PROTEST

In order to protest a tractor a member requires a \$50.00 deposit up front. First, contact a rules officer. Item protested will be checked and either puller or protester will receive money. This goes for protest of any type, i.e. equipment, rules, and fuels (fuel sample to be taken and tested at an independent lab, at loser's expense), or for any other protest.

CHAPTER 4

DISQUALIFICATION

4-1 WEIGHT

The loss of any weight while hooked to the sled.

4-2 LIQUID

A warning will be issued from official if there is excessive liquid spilled on the track. If problem is not corrected before the next class, or the next pull, you will be disqualified.

4-3 OUT OF BOUNDS

Out of bounds with any part of the tractor only. Boundary will be determined by either a chalk line, or stakes. Measurement will be taken from that point, no d/q if before 75 ft. mark.

4-4 EQUIPMENT

Any illegal equipment will be cause for disqualification.

4-5 START LINE

Leaving the start line under the red flag.

4-6 CONDUCT

Any unsportsmanlike conduct will not be tolerated.

4-7 FUEL

No illegal fuel allowed (nitro methane, nitrous oxide, or other oxygen carriers).

4-8 PULL OFF

On a pull off any disqualification rule applies, but the puller being disqualified while pulling in the pull off will only drop to whatever last position in the pull off would be. For example, if there were two tractors in a pull off and one was disqualified, the disqualified tractor would receive 2nd place points and money.

4-9 OTHER

The violation of any other rule (equipment, weight, track, etc.) will be cause for disqualification.

CHAPTER 5

PULL RULES / TRACK RULES / CLASS RESTART

5-1 TRACK SAFETY

During the pull, safety is always in the front of everyone's mind. The crowd must be kept at least 25 feet from the track area in all directions. Spectators in the pit area are to be kept to a minimum. The ends of the track must be kept open at all times. The O.M.T.P.A. will not operate any pull at which a safety hazard is posed to anyone.

5-2 ENTRY LIMIT

Each tractor will be limited to one entry per class.

5-3 PACE TRACTOR

No pace tractor will be used.

5-4 HOOKUP

No weights, brackets, or braces may interfere with the hookup of the sled or interfere with the chain during the pull.

5-5 LEAVING TRACK

If possible tractors should leave the track under their own power. Please have tow vehicles ready at the end of each pass.

5-6 TRACK SIZE

Outdoor track should be 300 feet long and not less than 30 feet wide.

5-7 MEASUREMENT

No measurement beyond the length of the track. If pull conditions warrant, a floating finish (no 300 ft. full pull, but go until the sled stops) may be used as an option. Pullers will be informed before a floating finish is used.

5-8 TRACTOR OPERATION

While pulling the tractor it must be operated in a safe manner. Officials have the right to disqualify any driver that cannot handle his/her tractor in a safe and orderly manner.

5-9 FIRE SUIT & CLOTHING

MANDATORY FOR ALL DRIVERS

Fire Suit, Driving Gloves, Driving Shoes or Leather Shoes and Helmet.

(No Tennis Shoes)

5-10 RIDERS

Driver only is allowed on the tractor while it is moving. No riders allowed while hooked to the sled, on the track, driving to or away from the track or driving in the pit area.

5-11 SPOTTING ON THE SLED

Each puller has the privilege of, and the responsibility for, spotting the sled. Pull back tractor operator, or sled operator must be notified when, ore before, previous tractor unhooks from the sled.

5-12 ENTERING THE CLASS

Tractor must be entered in the class the competitor desires to pull in before the pull starts, unless the officials are agreeable to the reason for the lateness of the competitor.

5-13 STARTING TIME LIMIT

Tractor and driver will have 3 minutes to make it to the sled after it is pulled back and ready to hook; unless conditions don't allow it.

5-14 TEST PULLER

Number one puller will be the test puller and may take that pull if the weight machine is ok. To receive fist puller options, the tractor must hook to the sled and attempt a pull. If he/she refuses that pull, he/she will choose the position that he/she will return. Choice must be made before unhooking from the sled.

5-15 CLASS RESTART

A class restart will be up to the discretion of the track officials.

5-16 SECOND ATTEMPT

If the puller wishes to make a second attempt, he/she must attempt to stop before the front of the sled passes the 75 foot mark. A track official stationed near the 75 foot mark will make the decision of whether an attempt was make. Your second attempt must be at that time, unless tractor is broken. If broken, and repairs can be made before the end of the class, you may come back for your second attempt. At that time you will have only one attempt.

5-17 OUT OF BOUNDS

Anyone going beyond the side line stakes with any position of the tractor is disqualified. Out of bounds, or any other disqualification, 1st puller or not, driver is disqualified, unless class is restarted. Boundary will either be determined by chalk lines or by stakes. D/Q pullers will receive last place monies and points. Unless D/Q in the pull off the puller will receive last in the pull off points and monies.

5-18 FIRST PULLER ON RESTART

On a restart of a class; the original 1st puller has the option of being 1st puller or a drop. It will be the responsibility of the first puller to remain at the track until the decision is made by the track official whether to continue or restart the class. If the original first puller rejects the 1st restart position it would then go to the next in line of the restart. This puller will now have the 1st puller designation. Tractors that pulled before the restart will restart in the position according to how they were on the lineup sheet.

5-19 DRAWBAR HEIGHT CHECK

Mandatory drawbar height check will be done at the beginning of the track before each pull attempt. Checking is driver's responsibility. Drawbar must be parallel to the ground within 15 degrees. No cam "L" or drop down hitches permitted.

5-20 TIES / PULL-OFFS

In case of a first place tie there must be a pull off.

5-21 FIRST PLACE PULL-OFF

In a first place pull-off all participants shall be required to make an honest attempt to pull or he/she will receive some points and the money as the top vehicle that did not qualify for the pull-off. The exception to the first place pull-off rule may be made by track official's discretion only if the track conditions are bad (conditions determined by track official), or if all pull off participants agree to splitting points and money. If the track conditions are normal, and participants are able a pull-off must be held. If no participant wants a pull-off, regardless of conditions, then the first place pull-off must take place.

5-22 FLOATING FINISH PULL OFF

A floating finish may be used in a pull-off at the discretion of the track official and sled operator. All pull-off competitors must be informed in advance of the pull-off about floating finish.

CHAPTER 6

SAFETY EQUIPMENT, REGULATIONS

6-1 STARTED TRACTORS

If the tractor is running, a qualified operator must be in the driver's seat.

6-2 HELMETS

Racing competition helmets or motorcycle helmets are required. You must have your helmet on when driving onto the track and while tractor is hooked to the sled. Chin strap must be fastened.

6-3 FIRE EXTINGUISHER

All tractors must be equipped with a working fire extinguisher, minimum 2 ½ lb. dry chemical, or equivalent, located convenient to the driver (so that the driver can reach it while seated on the tractor).

6-4 WEIGHTS

All weights must be securely fastened to tractor or tractor weight brackets. No loose weights allowed anywhere on tractor.

6-5 SCATTER BLANKET

A scatter blanket is required. Specifications are listed under Modified Equipment Rules.

6-6 KILL SWITCH

Safety kill switch at the rear of the tractor.

6-7 FIRE SUITS

A regulation fire suit is mandatory for all drivers.

6-8 ROLL CAGE

All tractors must be equipped with a roll cage.

CHAPTER 7 - MODIFIED EQUIPMENT RULES

7-1 MODIFIED ENGINE COMBINATION SPECS

A. UP TO 2 SUPERCHARGED V-8 ENGINES

(No Hi Helix Rotors or cases allowed)

Up to 2 supercharged engines with the maximum supercharger size of 8-71. Max over drive 42.0%.

575ci engine limit

SAFETY SPECS:

All superchargers must be mounted to the intake manifold by use of aluminum studs only. A supercharger restraint system is mandatory and shall consist of four separate straps, one on each corner of the supercharger, with each strap securely fastened to the engine by means of its own attachment bracket. The top attachment bracket to be sandwiched between the lower surface on the injector body and the upper surface of the supercharger case. The bottom attachment bracket of each strap shall be connected to the engine by a minimum of one 5/16 inch bolt or stud (SAE Grade 5 or better). Blower belt shield must be wider than all components, idler, belt pulleys, etc. and extend to the bottom of the bottom pulley or below. Screw-type per chargers are not permitted for completion vehicles.

- B. 1-SUPERCHARGED HEMI (Hi Helix allowed)
Must be cast block 8-71 max blower size. All safety specs will be the same as the multiple blown V-8 class (7-1A) listed above.
- C. UP TO 3 NATURALLY ASPIRATED V-8
Max 1725ci on engine combo
- D. UP TO 2 NATURALLY ASPIRATED HEMIS
- E. ONE CARBURETED ALLISON – PACKARD – ROLL-ROYCE
Must be carbureted with no auxiliary blowers.
- F. FOUR NATURALLY ASPIRATED SMALL BLOCKS V-8
Max 1725ci on engine combo
- G. ONE TURBINE or combination of N.T.P.A. recognized turbine not exceeding a maximum of 2850 total HP, using ratings as approved by the N.T.P.A.
- H. 2 Diesel engines 450 Cubic Inch Limit. Automotive Engine with direct injection only. 3 charger set up on SINGLE ENGINE with 4 ½ inch or smaller inducer bore. 2 chargers per engine on 2 ENGINE set up with 3 ½ inch or smaller inducer bore. (Note: charger may be up to 4 ½ inch but must be reduced to 3 ½ at inlet) Check for oblong holes in the inlet. NO variable vane turbo. Diesel fuel only with the exception of water/methanol injection. (for cooling purposes) No nitrous, propane, natural gas, ect. No superchargers. Turbo must have safety shield. Exhaust must exit straight up. Engine needs head restraints. Each engine must have air guillotine to shut down engine or engines connected to the rear kill switch. Must have sfi damper and it must be guarded.
- I. Single Engine 572ci with Hi Helix 1471 48% overdrive Aluminum Heads (not spread bore)
All safety specs will be the same as the multiple blown V-8 class (7-1A) listed above.
- J. No spread bore heads will be used with any engine combo.

7-2 DEFLECTION SHIELD

Deflection shield is required on both sides of the engine, from the bottom of the head and extending to 2 inches below the bottom center throw of the crankshaft.

7-3 DEADMANS THROTTLE

All throttle working in a forward / rearward direction shall be closed in the uppermost position, must be a positive 2-way linkage.

7-4 HARMONIC BALANCERS

Harmonic balancers shall be shrouded with ¼" steel no more than 1" away in any direction of rotation, 360 degrees and securely fastened, and have at least 2 – 1" straps across the front of the shroud to deflect flying debris.

7-5 FANS

All fans must be shrouded with steel 1/16" or thicker, 360 degrees. Electric fans excluded.

7-6 EXHAUST

Exhaust must be discharged vertically, and be a minimum in height of 12" above the bend in the pipe. No rain caps.

7-7 FUELS

All forms of nitro methane (including nitrous oxide) are illegal as a fuel additive. Legal fuels are gasoline, kerosene, alcohol and aviation gas.

7-8 FUEL DELIVERY

Fuel delivery must match engine type.

7-9 KILL SWITCH

Kill switches must be located in the rear center of the tractor. Kill switches must break the entire electrical system. CONSTRUCTION: Kill switch cable must be enclosed, so that if the tractor unhooks from the sled, cable can be separated from tractor without obstruction from the tractor.

7-10 FENDERS

All modified tractors are required to have fenders or a shield or both, between driver and any part of the rear tire.

7-11 WHEELIE BARS

Wheelie bars are required and shall be able to support the tractor's weight and be no more than 10" off the ground and have a pad at least 3" square, must extend beyond rear of tire.

7-12 TRACTOR LENGTH.

No portion of the tractor, including weights, may exceed 14 feet forward on the center of the rear axle.

7-13 BRAKES

All tractors must have functional brakes.

7-14 DRAWBAR CONSTRUCTION & PLACEMENT

Minimum length of drawbar will be 18 inches from center of the axle to the point of hook, and have a maximum height of 20 inches from the top of the hitch to the ground. Drawbars must be RIGID in all directions.

7-15 DRAWBAR

The hook point will be an oblong shape 3 ¾" long x 3" wide with a maximum of 3 ¾" round opening. Minimum of 1" from the back of the hole.

7-16 CLUTCH, FLYWHEEL, & AUTOMATIC TRANSMISSION

Tractors using a manual clutch shall be equipped with a blow proof bell housing, flywheel, and clutch assembly. Automatic transmissions will be completely covered with safety blankets from the back of the block to the tail shaft.

7-17 DRIVESHAFTS & COUPLERS

Drive shafts will be enclosed in a 3/16" minimum steel tube ¼ aluminum. Inside diameter not to exceed 2" larger than the diameter of the largest universal joint or coupler.

7-18 ENGINE SUPPORT

Engines must have a support saddle at the rear of the engine, and in front of any auxiliary transmission; 3/8" steel, 5/16" chain or rear block plate.

7-19 TRACTOR FRONT END

Tractors shall have a wide front axle. Front wheels shall track within the rear wheels.

7-20 TIRE SIZE

Rear tires shall be at least 24.5x32 and no bigger than 30.5x32.

7-21 STARTED INTERRUPT SWITCH

All tractors must be equipped with a starter interrupt switch on the gear shift which will allow started engagement only in a neutral or park gear-shift position.

7-22 INTERFERENCE

No portion of the tractor may interfere with the sled during the pull.

7-23 IF YOU ARE ILLEGAL

1. Forfeit the year's points.
2. Refund any prize money received at that pull.
3. Tractor and all drivers connected with that tractor are suspended for one year and one day from the day prize money is refunded for that day. (Refunded prize money goes to the O.M.T.P.A.)

7-24 RULES ENFORCEMENT

The O.M.T.P.A. reserves the right to apply any rules stated above. Changes can be made with a majority vote of all members entered to pull at this event.