Division IITC NATPA Pulling Rules

Effective until 4/2029

Tractors 1959 and older or production models that started in 1959

Classes: 2500, 3000, 3250, 3500, 3750, 4000, 4250, 4500, 5000, 5500, 6000, 6500, 7000, 7500 8500, and 9500#

Division IITC will be designated ORANGE in the NATPA Color Code System

1. **GENERAL RULES** – See general rules that apply to all tractors.

2. **AGE:** Those under 18 years of age must have written parental/guardian permission and be able to pass a driver's test provided and administered by a NATPA Board of Trustee or Safety Tech Official.

3. **SAFETY:** All tractors must have a working safety kill switch.

4. **DRAW BAR/HITCH:** Minimum 18" back from the center of the rear axle and a maximum of 18" drawbar height. Hitch material cannot be thinner than ¾" and not thicker than 1.25". Hitch has to have a 3.0" hole with 1" material thickness around the hole or a straight clevis bolted or pinned tightly to the drawbar with a minimum of 3.75" hole. Top of hitch adjuster cannot be above center line of axle or hub. Hitches and drawbars must be stationary in all directions. Hitch must be easily accessible (sled operator's discretion).

5. **WEIGHTS:** Weights must not extend rearward beyond rear tires and cannot be more than 11 feet from the center of the rear axle to the furthest point forward.

6. **TIRES AND RIMS:** Maximum tire size – 2500-4500 lbs. maximum tire size up to 15.5x38 or 200 sq. in. on any width rim; 4501-6500 lbs. or up to a 16.9x34 or 229 sq. in. maximum tire size on any width rim; 7000-9500 maximum tire size is 18.4x38 on any width rim. No radial tires. No steel wheels. Two-wheel drive only. No duals. Top cut tires allowed – no cutting, alterations or changes to the front edge of the tire is allowed. No purpose built pulling or non-agricultural tires will be allowed.

7. **RPM's:** RPM's allowed will be determined by the NATPA RPM Chart. Any tractor not listed will use manufacturer's data. A 20% margin of error will be permitted. All tractors to have positive throttle stops with a working governor in the stock location.

8. **SPEED:** Any gear, speed limit is 3.5 MPH, to be checked by radar. No shifting of TA's. One beep after flag/cone will result in disqualification. The marker for Div 2T speed will also be used as the mark to stop the tractor if driver wishes to restart pull.

9. **FUEL/ENHANCEMENTS:** Tractors manufactured to use diesel fuel only cannot be converted to gas or LP. Tractors must be naturally aspirated. No turbos or blowers - except Oliver 99GM, etc.

10. **CHASSIS/ENGINES**: Tractors must have the stock engine, frames, transmission, rear end and axle housings or manufacturer's replacement **for make and model of tractor being pulled.** Stock heads and their replacements are to remain unchanged in outside appearance. Oliver 88/Su88/880 models only are allowed – (7) main blocks; (12) port heads & blocks 1600 – 1800 series. Waukesha 1100/GK series heads and blocks. AC - WC/WD/WD45 can use D-17 engine; IH/Farmall - H, SH, 300, 350; M, SM, SMTA, 400, 450 engines. JD -A/B/G/50/60/70 can use TSC Power Blocks. No M-M 800 or 800 HD heads or blocks allowed. The taller M-M "G" & 605 blocks are allowed on all M-M models. Co-op E4 & E5 and Cockshutt 40 & 50 can use Hercules 298, 339, and/or 3400 engines. Dual exhaust not allowed except after stock manifold. Heads that bolt on without modification from the same manufacture with the same length and width and the same number of cylinders is allowed if not stated above.

11. **ELECTRICAL**: Enhanced electrical systems permitted in all classes. No rev limiters allowed.

12. **CARBURETOR & MANIFOLD:** Number of barrels, throats, venturi, etc, must be that of the manufacturer for that make and model of tractor. Exception: John Deere tractors may run are allowed to run updated replacement manifolds permitted. (duplex) heads, manifolds and carburetors. Heisler, Johnson and other aftermarket production (replacement) parts are also allowed that bolt on without modification for that make and model of tractor.

13. **GIRDLE/DECK PLATES:** No increased height in any tractors (ie: deck plates, shims, girdles) except for stock gasket (see MM "G" 605 blocks in #10).

***NATPA TIRE CHART:**

0-4500# class 200 sq. in. 4501-6500# class 229 sq. in. 6501-9500# class 300 sq. in.

11.2 x 38 - 120 sq. in. 12.4 x 38 - 140 sq. in. 13.6 x 38 - 168 sq. in.

11.2 x 36 - 115 sq. in. 12.4 x 36 - 135 sq. in. 14.9 x 28 - 170 sq. in.

18. 4 x 28 - 126 sq. in. 13.6 x 28 - 145 sq. in. 13.6 x 24 - 130 sq. in.

14.9 x 26 - 144 sq. in. 14.9 x 38 - 200 sq. in. 18.4 x 34 - 284 sq. in.

18.4 x 38 - 300 sq. in. 15.5 x 38 - 189 sq. in. 16.9 x 38 - 252 sq. in.

16.9 x 34 - 229 sq. in. 18.4 x 28 - 250 sq. in.