

HEARTLAND ANTIQUE TRACTOR PULLERS ASSC., INC.
2009

GENERAL PULLING RULES

1. A tractor may pull twice in each class with different drivers. Tractors may hook in as many classes as possible unless otherwise stated by the pull promoter.
2. Drivers less than 18 years of age must have parent/guardian sign a release form.
3. Drivers must stay on the seat of the tractor at all times. Hands must be on the steering wheel, hand brakes, hand clutch, or throttle at all times during the pull.
4. Wheelie bars are required and should not be attached to the draw bar in any way.
(Local pullers that only pull once or twice per year are not required to have "wheelie bars" but will use a 16 inch tattle-tale chain.) Minimum requirements for "wheelie bars" are as follows: 10" max above ground. The back of the wheelie bar is to extend 5" behind the tire radius. The pads will be a 5" square minimum, spaced a minimum of 20" from outside each pad. The stabilizer bar system must be able to support the weight of the tractor in the heaviest class pulled. Jacking up the pads so the tractor is completely off the ground is a good test of the strength of the systems support ability and the HEARTLAND safety person/crew reserves the right to perform this test at his/her discretion.
5. Any tractor or puller found to be unsafe or illegal may be disqualified or barred from hooking.
6. No use of alcoholic beverages will be allowed.
7. Any part falling off the tractor being hooked and until the tractor is unhooked will result in a DQ.
8. HEARTLAND suggests that all weights be secured as dropped weights will be cause for a DQ.
9. Contact point of the tractor and sled must remain in bounds at all times. When a tractor is out-of-bounds it will be flagged and a measurement will be taken.
10. RPM's allowed will be determined by using the NAITPA RPM Chart. Any tractor not listed will use manufacturer's data.
11. Gas, Diesel, or LP fuels only. No alcohol or nitrous oxide fuels or fuel additives may be used in tractors. Gas is allowed a max of 750 specific gravity. All tractors are subject to random checks.
12. All tractors are required to have a spark plug wire easily accessible for the Tech Crew to check RPM's.
13. All side shields must be removed prior to a tractor being inspected by the Tech crew and then may be reattached after inspection.
14. There will be a 20 pound weight allowance when weighing before hooking to the sled. This allowance may be altered by the Board of Directors at the pull sight if conditions require.
15. A finish line must be used at all events. If a tractor exceeds this distance this constitutes a full pull.
16. If a class is restarted for any reason, all tractors in the class will be repulled.
17. Rules for each division will not be changed for 2007 unless it is to clarify a questionable rule or for a safety issue.
18. All rules will be interpreted by the Board of Directors. Any unforeseen problems or oversights will be ruled on by the Board with their rulings being final.

NATPA RPM CHART

FIRESTONE TIRE CHART

<u>ALLIS CHALMERS</u>	<u>STD.</u>	<u>DIV. 2 & 3</u>
A	1150	1265
B, C, CA	1850	2035
U	1200	1320
WC, WD, WD-45	1720	1892
WD-45 DIESEL	1975	2173
D-17	1995	2195
<u>CASE</u>		
C, CC, D, DC	1390	1529
L, LA	1200	1320
SC	1760	1936
301, 311	1948	2143
VAC, 401	1600	1760
500, 600, 900 gas	1500	1650
900 diesel	1635	1799
<u>COCKSHUTT</u>		
20	2000	2200
30	1850	2035
40, 50, 550, 560, 570	1850	2035
<u>FARMALL</u>		
A, B, F-12, F-14	1550	1705
F-20, F-30, 10-20	1350	1485
C, SC, 200	1815	1997
300, 350	1925	2118
350-U	2200	2420
H, Su H	1864	2050
M, Su M, W-6	1600	1760
400, 450	1600	1760
460, 560	1981	----
660	2638	----
W-9, WD-9	1650	1815
W-40, WK-40	1925	2118
<u>FORD</u>		
8N	2330	2563
9N	2200	2420
960	2450	2695
Ford SN Major Dsl	1900	2090
<u>JOHN DEERE</u>		
A, G, 60, 70-G	1115	1227
B, 50	1375	1513
D	980	1078
R, 70-D, 620, 630	1250	1375
720, 730, 820, 830	1250	1375
40, 420	2025	2228
<u>MASSEY-HARRIS</u>		
33, 333, 444	1700	1870
44, 44-S, 55	1500	1650
101-JR (4 cly)	2050	2255
101-SR (6 cly)	1980	2178
Su 95	1740	1914
<u>MINNEAPLOIS MOLINE</u>		
R, Z, 5-Star, GBD	1650	1815
U, UB, G	1430	1573
GVI	1740	1914
<u>OLIVER</u>		
60	1650	1815
70	1640	1804
80, 99 (4 cly)	1300	1430
Su 55, Su 66	2200	2420
66, 77, 88	1750	1925
99-GM	1840	2024
770, 880	1950	----
H-P 28-44	1250	1375
<u>WARDS</u>		
CUSTOM	2075	2283

<u>TIRE SIZE</u>	<u>RIM SIZE</u>	<u>SQ. IN.</u>
9.5 X 16	8"	60
12.4 X 16	11"	90
18.4 & 16.1	16"	155
8.3 X 24	7"	63
9.5 X 24	8"	79
11.2 X 24	10"	96
12.2 X 24	11"	119
13.6 X 24	12"	130
14.9 X 24	13"	135
16.9 X 24	15"	213
13.6 X 26	12"	141
14.9 X 26	13"	144
18.4 X 26	16"	242
12.4 X 28	11"	126
13.6 X 28	12"	145
14.9 X 28	13"	170
16.9 X 28	15"	209
18.4 X 28	16"	250
16.9 X 30	15"	216
18.4 X 30	16"	258
16.9 X 34	15"	229
18.4 X 34	16"	284
13.6 X 38	12"	168
14.9 X 36	13"	200
15.5 X 38	14"	189
16.9 X 38	15"	252
18.4 X 38	16"	300

2009 Board of Directors

Pres. Angela Brokamp	785-868-3212
VP Ed Brokamp	785-868-3212
S/T Gilbert Wegner	785-889-4852
Safety Stan Reed	785-799-3220
Francis Baker	785-392-0150
Travis Kuntz	785-263-5186
Chris Robins	785-392-2802

STOCK/SHOW Pulling Classes

0-4000 4001-5000 5001-6000 6001-7000 7001 over

General Rules

- Stock Hitch w/ Clevis (16" high)
- Factory Bolt On Weights
- No Hang-on Weight Brackets
- Stock Non-Cut Tires
- (Limited to 1 size over stock)
- Stock R.P.M.'s
- Div.2 Tractors Not Allowed to Pull Stock
- Stock/Show may pull Div 2
- Skid Bars Not Required-will use 16" tattle-tell

2009 Schedule

Summerfield	June 21 @ Noon
Blue Rapids	July 11 Picnic @ 4 Pull @ 5
Meridan	July 18 @ 5pm Div 2, 3 & Open
Seneca	July 26 @ 1pm Stock, Div 2 & 3
Axtell	Aug 08 @ 1pm
Beattie	Aug 15 @ 1pm
Oketo	Aug 22 not yet confirmed
Albany (Sabetha)	Date Not Yet Confirmed
Chapman	Sept. 07 Not Yet Confirmed
Steele City, NE	Sept. 19 @ 1pm
Abilene	Oct. 03 Not Yet Confirmed

2009
HEARTLAND ANTIQUE TRACTOR PULLERS
DIV. 2
(similar to NATPA)

Division 2 is designed for competitive pullers with near stock tractors, piston kits, etc.

Tractors 1957 and older or production models that started in 1957
Exception: JD 30 Series allowed.

Classes: 3500, 3750, 4000, 4250, 4500, 5000, 5500, 6000, 6500, & 7500#
(4250 # class added per 2007 annual meeting 1/20/2007)

1. GENERAL RULE- See general rules that apply to all tractors
2. MAXIMUM TIRE SIZE- 0-4500# 170 sq. in. max; 4501-6500# 229 sq. in max; 6501-8500# 300 sq. in. max. NO CUT tires. See tire size chart on back page from Firestone Traction Field and Road Charts. Maximum tire size of 38 in..
3. RIMS AND WHEELS- Tires must be on rim width, not exceeding tire manufacturers recommended width. Pressed steel rims are allowed front and rear. NO chrome or aluminum rims allowed.
4. SPEED LIMIT- 3mph. Not allowed to shift torque or gear.
5. WEIGHTS- Suitcase weights and custom made weight brackets are permitted, front weight bracket and weights to extend no farther than 11 feet from center of rear axle. Weights may not extend behind rear tires. A stop on the ends of the weight brackets no closer than 4" to the rear wheel (not the rim)
6. ENGINE- stock block, naturally aspirated. Exceptions: Oliver 99GM, etc. Stock head, manifold, and carburetor (By part number). If an external part is not in the parts book or replacement parts book for that specific tractor it cannot be used. Exception: straight exhaust pipe allowed, air filter must be used although it may be of any type. RPM- 110% of factory high idle specification (RPM used is the latest model rpm for that make of tractor). No electronic ignitions. Exception: an electronic pickup inside the original stock distributor or magneto can be used-but distributor or magneto must maintain original appearance. No square coils, MSD coils or chome coils allowed.
7. HITCHES- Minimum 18" back from the center of the rear axle and a maximum of 18' drawbar height. Hitch material cannot be thinner than 3/4" and not thicker than 1.25". Hitch has to have a 3" hole with 1" material thickness around the hole or a straight clevis bolted or pinned tightly to the drawbar with a minimum of 2.5" hole. Top of the 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 operators discretion).
8. APPEARANCE- Tractors must maintain original stock appearance. If a part is not found in the manufactures parts book it cannot be used. No extra accessories allowed with the exception of weight brackets, hang-on weights, wheelie bars, wheels, rims, bolt on hubs, drawbar, muffler and air cleaner. Battery boxes may be moved from the stock mounting location. No aluminum allowed except for weight brackets and wheelie bars. No chome allowed except for exhaust pipes. Homemade side-shields are not allowed. Exception: factory side-shields such as on Olivers. No homemade rear end covers allowed. All guards, shrouds, covers, and shields shall be in place as from the factory and be made of original material (steel or iron) and as near like factory as possible. Seat must be an original seat or a manufactured seat made for a farm tractor placed with stock mountings (such as TSC). Alternators and straight pipes are allowed.
9. SPONSORS-Advertising plaques may be put on tractor as long as it does not interfere with teching of tractor.

2009
HEARTLAND ANTIQUE TRACTOR PULLERS
DIV. 3
(Similar to NATPA)

Classes: 3500, 3750, 4000, 4250, 4500, 5000, 5500, 6000, 6500, and 7500
(4250 class was added at 2006 annual meeting)

1. General Rules--See general rules that apply to all tractors.
2. Age: Drivers must be 14 years of age or older. Those under 18 years of age must have a permission release form signed by parent/guardian. (Form provided by Heartland)
3. Safety: **All Tractors** must have a working safety kill switch.
4. Draw Bar: Draw bars must not exceed 20 inches in height or be less than 18 inches from center of axle to hooking point. No part of draw bar may extend rearward beyond point of hook. Draw bars must be stationary in all directions. No clevises. Top of hitch adjuster cannot be above center line of axle or hub. (This wording added as per NATPA safety committee on 7/30/03).
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- 18.4 X 38; any rim width. No radial tires. No steel wheels. Two wheel drive only. No duals. Any cut allowed on tires.
7. RPM's: Rpm's allowed will be determined by the NATPA RPM Chart. Any tractor not listed will use manufacturer's data. A 10% 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 monitored by the sled mounted AGRI-TRONICS monitoring system. No shifting of TA's. One beep after flag/cone will result in disqualification. The marker for Div. 3 speed will also be used as the mark to stop the tractor if driver wishes to restart pull.
9. Tractors manufactured to use diesel fuel only cannot be converted to gas or L.P. Tractors must be naturally aspirated. No turbos or blowers-except Oliver 99GM, etc.
10. Tractors must have the stock engine, frames, transmission, rear end and axle housings or manufacturer's replacement. Stock heads and their replacements are to remain unchanged in outside appearance. No 7 bolt main blocks in Olivers; no (12) port heads; no 99 heads; no 1600 series heads. AC-WC/WD/WD45 can use D-17 engine; IH - H, 350; M, 450. JD - A/B/G can use power blocks. No M-M 800 heads or blocks. Dual exhaust not allowed except after stock manifold.
11. Enhanced electrical systems permitted in all classes. No rev limiters allowed.
12. Replacement carburetors with no modification of carburetor or manifold. Overhang of carburetor to manifold is not allowed. Only stock appearing manifolds allowed.
13. No increased height in any tractors (ie: deck plates, shims, girdles) except for stock gasket.
14. **OL 66, Farmall H, AC WC, Ford 800, Cockshutt 30 and above and like size tractors are not allowed in classes below 3500#. Massey 33, Oliver 77, JD A 1939, McCormick 10-20, F-20 and down and like size tractors are not allowed in classes below 4000#. Oliver 88, Farmall M, Massey 44, M-M U, JD-G, Case-C/D, JD-A 1940 and up and like size tractors are not allowed in classes below 4500#. Massey 55, IH W-9, IH WK-40, Case LA, Case 600, Moline GB, Moline GBD, Oliver 99 and all like size tractors are not allowed below 5500#.**