

THE CRANK & STOKE

T H E V O I C E O F T H E H I S T O R I C A L E N G I N E S O C I E T Y

Founded 1970

Officers:

President: Dean Kirby
 Vice President: Adam Lang
 Treasurer: Larry DeMoss
 Secretary: Sandra Paterek
 Membership: Penny Melkerson-Kirby

Directors:

Brian Baxter	2022/2023	Dominic Marino	2023/2024
Jakob Baxter	2022/2023	Mark Menary	2023/2024
Adam Lang Jr.	2022/2023	Patrick Shelby	2023/2024
Roger Rodhe	2022/2023	Timothy Mansfield	2023/2024
		Vincent Kibby	2023/2024



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WELCOME TO THE SHOW!

Show Entrance: As a quick little reminder about where to enter, here is a recap from last year.

Lake Metroparks Farmpark is located at 8800 Euclid Chardon Road (Route 6) about 1 mile east from Route 306. Please enter the **VENDOR** drive on Route 6 located between the main public entrance and the Canine Meadow dog park, east of the main drive. Look for the **VENDOR ENTRANCE** banner at the drive. Proceed on dirt/gravel road and follow the signs to Festival Field.

Many of us are used to coming in the service drive for the Horsepower Weekend event. **Do not enter the most western service drive which has the water tower.**

Once you arrive, we can assist you with picking out a space based on your display type. We will try to accommodate your requests as best we can. Look for one of our board members wearing a bright yellow shirt with "Show Official" on the back for assistance.

Registration: Please be sure to stop by the **yellow and white tent** to register during office hours:

- ◆ Thursday: 12-4:45
- ◆ Friday/Saturday/Sunday 8:30-4:45

Reminder: This is also the time to renew your membership (**see page 2**). Bring your membership passes each day of the show.

Camping is available for exhibitors for a flat fee of

\$100 from Wednesday night through Saturday night and includes water and electric hookups.

You may bring your golf carts, Gators or side-by-sides for personal transportation.

We ask that all steel wheel and crawler type equipment not be driven on the paved driveways.

Safety Meeting: There will be a mandatory safety meeting Saturday at 9am at the registration tent.

The 2023 shirts, hats and raffle tickets will be available for sale at the registration tent.

Show buttons and plaques are available at the Registration tent.

Have a great time!



MEMBERSHIP DUES INCREASE

Well, I suppose that it shouldn't surprise anyone that the rising cost of everything in today's economy has impacted the budget at HES. After a very long run of charging \$10 and \$18 for single and family memberships, we have no choice but to increase our dues. The financial strain of the club has been recognized by its officers for some time, but through fundraising and an increase in our summer/fall show income (thank you Farmpark) we have been able to offset the cost of our normal business expenses.

Sadly, as the bills for the 2023 season have been coming in, the realization that a dues increase is going to be necessary for the club to remain solvent. The topic has been discussed at great length in the May and June meetings, and it was decided without opposition at the June meeting to increase the amount to \$25 for an individual, and \$40 for a family membership. These amounts were decided based on the current actual cost of each membership to the organization and keeping our budget balanced for the next several years. This amount will allow the club to use some of its fundraising dollars for much needed maintenance on club machinery and projects, and for the growth of new educational programs and HES activities such as the recent steam school and plow day.

I would like to remind everyone that we pay yearly dues that run from August 1st to July 31 of the following year, and they may be paid at the HES registration tent at our July or September shows. Dues may also be paid by mail, at any HES meeting, and any event where raffle tickets are sold. A single membership is any individual who would like to participate in our club and its mission, and a family membership is defined as 2 adults and children 18 years of age and younger who also share the interest of the club and its mission.

It is my hope that the club will continue to grow and prosper at our new "Lake Metroparks Farmpark" home and that we will see all of you at the July show! Thank you for your continued support!

-Adam Lang, VP@HES

"What do you do with my dues?"

Some normal club expenses include the following and much more!

- ◆ Printing of the newsletter 3-4 times a year with an average cost of \$350 per issue
- ◆ An average of 5 yearly mailings needing stamps and envelopes (newsletters, Christmas party invites, membership cards, etc.) \$1,250
- ◆ Certificate of Insurance for HES \$1,334 in 2023
- ◆ Show Plaques and Buttons \$1,845.50 in 2023
- ◆ Website expenses \$215.28 in 2023
- ◆ Post office box \$92 in 2023

"What do I get for all this cash?"

Any HES member is given the opportunity to participate at a number of events and gatherings throughout the year as well as a few things to keep!

- ◆ Free admission to Farmpark during the July and September shows (5 total days)
- ◆ One show plaque and button for displaying your antique machinery
- ◆ "The Crank and Stoke" club newsletter
- ◆ A free Summer picnic on Saturday evening of the July show
- ◆ A free lunch both days of the September show
- ◆ A free pizza party on club election night
- ◆ An invitation to the Christmas party with club sponsored raffle and HES subsidized catered dinner
- ◆ An invitation to all club meetings, classes and activities

SCENES FROM THE 2023 ANNUAL SHOW



ANNUAL PICNIC AND SOCIAL TIME

As a reminder, we will be grilling hamburgers, hotdogs and of course corn along with the other accouterments.

With the show ending at 5 o'clock, we will give the grilling crew time to get things ready once the show shuts down.

The picnic will take place in the pavilion between the machinery building and the fire pit (see photo) starting around 6-6:30pm.



Everyone will congregate together around a fire and socialize as a group rather than in separate areas. So, bring a chair and enjoy some good food and a fun evening with fellow club members

Farmpark will provide the firewood and kindly ask that we do NOT bring in our own firewood.

Many of us enjoy these after-hours times almost as much as the actual show. Looking forward to seeing everyone there!

KICKIN' IT WITH KENNY, THURSDAY, JULY 27

On Thursday, July 27th in the wee hour of about 6am in the morning the weekend of our show, Kenny Crumpton and the Fox 8 Cleveland television crew will be at Farmpark to help promote our event. The day MAY change back to Friday depending on Kenny's schedule.

HES members, alongside the Farmpark staff will be demonstrating various pieces of

equipment that visitors will be able to see during our show that weekend. Kenny is a very hands-on person and would like to actually operate some of the equipment. Please come out early Thursday morning to support HES or, if you are not an early-riser, at least tune to Fox 8 Cleveland to see your friends on local television. Fox 8 has about 5.6 million viewers.



HES 2023 BENEFIT RAFFLE

Don't forget to get your raffle tickets at the show to win this beautiful 1950 Ferguson TO-20.

We are on-track for selling out this year so don't wait until the last minute to get your tickets. When we are out of tickets, we are finished selling, so don't miss your chance to win!

This tractor was donated to HES with the intention of HES restoring and raffling it off.

This tractor produces 20 hp and weighs 2,760 lbs. and is equipped with a 2.0L 4-cylinder gas Continental engine.

Tickets are available for \$1.00 each or 6 for \$5.00.



WHERE THE RUBBER MEETS THE DIRT

Contributed by Pat Shelby - Agricultural Products Specialist, Titan International

Part 3 – Today's Technology - IF, VF, CFO, LSW, Hybrid Tread

With modern agricultural equipment becoming much larger, heavier, faster, and more sophisticated in the days since our antique tractors were built, tire technology has been forced to evolve to match these leaps and bounds. While most of this paragraph is relevant only to large, modern, production-scale tractors and equipment, I thought some would find it interesting to read a brief overview of where the tire industry has gone since the antique tractor days.

The broadest changes to agricultural tires since the shift to standard radial designs brings us to IF and VF technology. IF (Increased Flexion) & VF (Very High Flexion) technology tires were developed to allow farm equipment to carry greater loads at lower inflation pressures after the 1990's brought about a very marked increase in equipment size, weight, and speed. Soil compaction is one of the top concerns of crop producers today and when tires can carry heavy loads at lower inflation pressures, this means less ground-bearing pressure exerted and less compaction. 'IF' designated tires are designed to run at 20% lower inflation pressure than their standard equivalents or carry 20% greater load at the same inflation pressure as standard farm tires. 'VF' takes this a step further with 40% differences.

Another interesting acronym out there today on farm tires is 'CFO' (Cyclic Field Operation). You can commonly find these tires on combines and grain carts and their objective is the same as IF and VF tires – carry more load at equivalent or lower inflation pressures. Due to the way combines and grain carts repeatedly fill up while harvesting and quickly offload their cargoes into waiting semi-trucks, CFO tires allow a load bonus (+55% at less than 10mph, +30% at 11-20mph) at harvest speeds where maximum loading is not exerted on the tires for sustained periods. LSW (Low Sidewall) technology was developed by Titan within the last 15-20 years and incorporates elements of IF, VF, and CFO technology but takes things a step further.

LSW-designed tires are designed to be dimensionally different in addition to the internal construction differences of competitor tires. Much like pickup trucks where years ago 15-inch and 16-inch wheel diameters were common and now 20+ inch wheel diameters are the norm, similarly have LSW farm tires changed the industry. LSW designs feature a larger wheel diameter within the same outer tire diameter, simply meaning there is less sidewall height than a standard sized tire. This shorter sidewall helps to minimize bouncing of equipment during road transport and power / fuel efficiency loss due to 'power-hop' in the field.

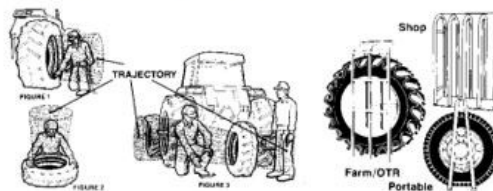
Lastly, on smaller modern compact and utility tractors, and even some retrofits of antique equipment, hybrid tread patterns have become very popular. As discussed in Part 1, R-4 industrial tires for years have been the 'in-between, do-it-all' choice for small equipment which performs very different and diverse tasks compared to large production-agriculture tractors and equipment. Popular hybrid options today incorporate elements of R-1, R-3, and R-4 tread designs into one tire that is much better suited to the wide array of tasks small equipment is used for today on farms and by hobbyists, landscapers, and golf courses. These options include design names such as 'R14T' by Titan, 'Garden Pro' by Galaxy, and 'Versa Turf' by Carlisle.

IMPORTANT SAFETY INFORMATION

WARNING

To prevent SERIOUS INJURY or DEATH:

- ONLY specially trained personnel, using the proper procedures and tools, shall service tires.
- ALWAYS read and fully understand all procedures before tire/wheel servicing.
- ALWAYS STAND CLEAR of trajectory zone.
- ONLY assemble a tire and rim after you have positively identified and correctly matched the tire and rim diameter.
- ALWAYS use a tire cage or other approved restraining devices when inflating tires.
- NEVER exceed the recommended inflation pressure on the sidewall of the tire you are inflating.



Your employer is responsible for providing proper procedures and training for tire technicians. See Occupational Safety and Health Administration (OSHA), 29 CFR 1910.177, Servicing of Single Piece and Multi-Piece Rim Wheels.

Additional information go to www.titan-intl.com or call 1 (800) 872-2327



THE VOICE OF
THE HISTORICAL
ENGINE SOCIETY

PO Box 892
Chardon, OH 44024
Phone: 440-669-2578
Email: info@historicalengine.org

**Meetings will be held the 2nd Thursday of the month
(except December, January and February) at 7:30pm
in the Theater at Lake Metroparks Farmpark
8800 Euclid Chardon Rd. (Route 6)
Kirtland, OH 44094**

The Historical Engine Society is a non-profit organization whose purpose is to provide a focal point for people interested in the machinery of a bygone era. We encourage the collection, preservation, restoration, and exhibition of power producing devices and the machinery driven by these units.

Society fellowship consists in the sharing of knowledge, ideas and educational programs. Work parties, picnics and field trips make this a truly family oriented organization. The annual show is a year-round effort, culminating in a gathering of people and their machines. Visitors are treated to the sights, sounds and demonstrations of the power of the past.



Plow Day 2023
9 - Tractors
5 - Horse Teams



Membership Renewal Application

___ Single \$25.00

___ Family which includes 2 adults with children under 18 yr. old \$40.00

Name(s): _____

Address: _____

City: _____ State: _____ Zip Code: _____

Phone: _____ Email: _____

Make checks payable to: The Historical Engine Society

Mail To:
The Historical Engine Society
P.O. Box 892
Chardon, OH 44024