

2020 PERA News

December 2020

Vol. 33 Issue 7



Join us in 2021 in St. Louis
September 21-24
Live by Loews



*This will be your view of Busch Stadium during the
Opening Reception Wednesday night!*

Check out this exciting brand-new hotel in the heart of St. Louis across from the Cardinals' new ballpark. <https://www.loewshotels.com/live-by-loews-st-louis-missouri>

And while you're at it, take a look at everything St. Louis has to offer: <https://explorestlouis.com/>



*Merry Christmas & Happy
New Year*

We're just about ready to say goodbye to 2020 and hello to 2021 which can't come soon enough! It's looking brighter already with the roll out of the vaccines and hopefully the target is met to have enough vaccine to reach everyone who wants it by the end of March. I know I'm anxious for it to filter down to me. Avoidance is getting pretty tiring. I'm ready to get out to see everyone in St. Louis!

Despite the difficulties we've been faced with in 2020, it turned out to be a pretty good year for business and for PERA. Membership is up by eight new members in 2020. Webinars continue to grow and with the cancellation of the Greenville convention, we were able to add a 12th webinar in September. All told we had nearly 6000 registrations. Compare this to 3 webinars and 40 registrations in 2013! Every year the program grows and the last 4 months as been pretty exciting.

So here's wishing everyone a really Merry Christmas and a very Happy and SAFE New year! May 2021 bring out the best in all!

New Manufacturer Member

CWT Industries
4708 S. Old Peachtree Rd. Bldg. 300
Peachtree Corners, GA 30071
800- 449-1849
Fax: 770- 446-5727
Co. eMail: judy@cwtindustries.com
Website: www.cwtindustries.com
Judy Neal, President/Owner
judy@cwtindustries.com
Randy Neal, Vice President/Owner
randy@cwtindustries.com

See Spotlight on page 4 for further details.

Webinars & Sponsorship

11 Webinars for 2020

We have a full webinar schedule for 2020. This series has become very popular and we currently have a waiting list in case of any cancellations.

- January 15: Taylor Friend, Jasper Engines
The 3.6L GM Engine Family
- February 19: Chuck Lynch, MAHLE Aftermarket Inc.
Valve Train Material
- March 18: Ron Sledge, King Engine Bearings
Problem Solver Solutions
(engine failures)
- April 15: Moved to May 20
- May 20: Matt Meyer, RMC
Engine Testing & Other Equipment
- June 17: Randy Neal, CWT Industries
New Developments in Balancing
- July 15: Tim Golema, MAHLE Aftermarket
Turbos
- August 19: Charles Barnett, Dura-Bond Bearings
Machining Powdered Metal Valve
Seats
- September: Lake Speed, Jr.,
Total Seal Piston Rings
- October 21: Rottler Manufacturing
Cylinder Finish
- November 11: Mike Osterhaus, Melling Engine Parts
TBD
- *December 9: Randy Neal, CWT Industries
Over/Under Balancing

* December date subject to change depending on finalized PRI Show dates.

2020 Sponsors:

We have the maximum of eight fantastic sponsors for the 2020 webinar series! A big thank you goes to:

- CWT Industries
- The ERI Group
- Dura-Bond Bearing Company
- Hastings Manufacturing Company
- King Engine Bearings
- Mahle Aftermarket, Inc.
- QualCast, LLC
- Rottler Manufacturing

For further information, contact:

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MAHLE

Driven by performance

MAHLE—keeping the world moving for 100 years

“The year is 1920. The Roaring Twenties begin. The start of an exciting decade in which Charles Lindberg flies across the Atlantic, Albert Einstein receives the Nobel Prize, Mahatma Gandhi begins his non-violent protest, Deutsche Luft Hansa AG is founded, and the Nürburgring starts operating. In Stuttgart-Bad Cannstatt/Germany, two brothers lay the foundation for a global company. Back in those times, Ernst and Hermann Mahle develop products which become bestsellers and which establish the reputation of today's global corporation as an innovator.

Since then, MAHLE has become one of the 20 largest automotive suppliers worldwide with around 80,000 employees. Today, we are a pioneer for the efficient mobility of tomorrow. Our innovative solutions continue to set new standards in the field of alternative drives and in the optimization of internal combustion engines.

What is our motivation? We want people to get from A to B efficiently and comfortably. Together with industry, politics and society, we work on the major challenges of our time, always keeping an eye on them. We are the creators of sustainable individual mobility. Moreover, being a foundation-owned company, we assume social responsibility.

Today and tomorrow. For future generations. And for the next 100 years.”

Here are some key points about Mahle's incredible journey throughout the past century—yes that's 100 years!

- Foundation stone for MAHLE laid on December 1, 1920
- Small workshop in Stuttgart develops into an international automotive supplier
- Ernst and Hermann Mahle's technological pioneering spirit continues to lead the way for the group
- Clear focus on the future topics of mobility
- Group maintains R&D investments at high level
- R&D activities to focus on solutions for e-mobility and hydrogen applications

Since 1920, MAHLE has developed from a small workshop to one of the largest automotive suppliers with over 160 locations in more than 30 countries. December 1, 2020, marked the 100th anniversary of the company's founding. It was on that day that the foundation stone for today's MAHLE Group was laid in Stuttgart. The course for this success was charted by the brothers Ernst and
(continued on Page 3)

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Mahle 100 years (continued)

Hermann Mahle, whose technological pioneering spirit is something the company is still renowned for today.

MAHLE is now broadly positioned in the areas of powertrain technology and thermal management with a clear focus on future topics relating to mobility. The group is maintaining its R&D investments at a high level. As part of its dual strategy, MAHLE is working both on the intelligent combustion engine for the use of hydrogen and other nonfossil fuels and on technologies that will help the fuel cell and e-mobility achieve broad acceptance in the markets. Half of all vehicles in the world now contain MAHLE components.

"The piston is part of our history. But today MAHLE is much more than that: with our competence in future technologies, we're ideally positioned to play an active role in shaping the sustainable mobility of the future," says Dr. Jörg Stratmann, Chairman of the MAHLE Management Board and CEO. "Over the past 100 years, MAHLE has undergone continuous development, always with the aim of providing important technological impetus and being a strong partner to its customers."

MAHLE has transformed itself from a small piston forge in the Bad Cannstatt district of Stuttgart into a global technology group with a unique portfolio. The company has steadily opened up numerous new product areas and markets through organic growth as well as acquisitions. With the Mahle brothers' decision to transfer the company shares to the MAHLE Foundation in 1964, they set the course for successful, long-term, and sustainable development.

In the decades that followed, MAHLE consistently and continuously expanded its product portfolio and know-how, and it now has a breadth of expertise across all drive types that is unique in the industry.

The technology group offers not only engine components and filtration products but also power electronics and control units, electric motors, electric auxiliaries, software, thermal management products as well as expertise in materials, production, and 3D printing technologies. In the aftermarket sector, MAHLE is also leading the way with pioneering solutions as a competent and reliable partner for workshops worldwide. For instance, the first digital method for recalibrating driver assistance systems was developed by MAHLE.

MAHLE keeps the world moving. As a development partner and systems supplier, the technology group is shaping the mobility of the future in all major global markets—whether for passenger cars, trucks, vans, large agricultural machines, ships, e-bikes, or electric scooters. Thanks to a modern culture of innovation, which is evident in the group's own start-ups, new topics and products are emerging for new customer groups—such as

the charging infrastructure for battery electric vehicles or air conditioned children's car seats.

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2021 Membership Dues

Invoices for your 2021 membership dues was sent out December 8th to the person designated as your "dues" contact. Terms on the invoice are Net 60. This lets you choose when to pay, in 2020 or 2021. Included with your invoice is a form for your 2021 directory listing. Please review that and get it back to me to be sure your listing in the 2021 directory is correct. Keep in mind that you can list associates on the form to receive email notices from PERA without listing them in the directory. There is no extra charge for this service.



King Engine Bearings and AMS Performance are proud to announce King's new "Alpha" line of bearings. These two leading performance companies have collaborated for years innovating a new series of engine bearings that now proudly carry the "Alpha" name, AMS' premium component brand.

Nicolas Cassara, Sales and Marketing Manager for AMS says "We took our extensive engine building knowledge along with our innovative engineering capabilities and combined that with the proven manufacturing quality King Engine Bearings is known for to deliver our customers the ultimate high-end bearings offering that we incorporate into all of our highest horsepower R35 GT-R builds."

"We have been working with AMS performance for many years now, constantly improving our products. We created narrowed, doweled, and coated versions for GT-R applications, all based on AMS' technical and on track knowledge", says Meytal Snir-Gal, King's Vice President of Marketing. "This cooperation is a natural continuation of the fruitful work we have been engaged in for years. Unveiling the King Alpha line in such a challenging time is really empowering as to our stance on the future of our industry."

The Alpha line is a polymer coated series of engine bearings for high-end performance applications. The current announcement includes Nissan, Audi, and Lamborghini platforms.

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Spotlight

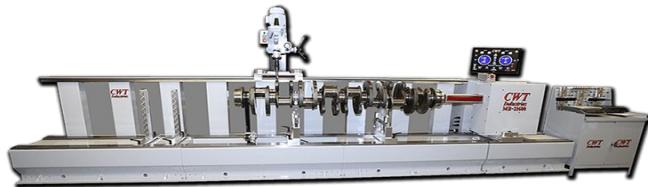


CWT Industries is a brick and mortar business that features in-house design, engineering, computer software development, and CNC machining, welding, painting, and shipping preparation for their products. They specialize in balancing. PERIOD!

Their capabilities mean that if you have an application that rotates which can benefit from balancing, they can most likely develop a product that can help you meet your goals.



Based in Peachtree Corners, GA in 28,000 sq. ft., CWT has balancing machines in 59 countries world-wide. The applications for these machines vary from industrial applications, crankshafts, camshafts, propellers, driveshafts, prop-drive shafts, fan assemblies, and about anything that rotates that you can think of. They are designed and proudly built by CWT Industries in the USA!

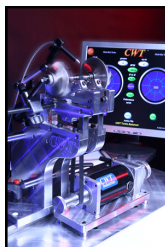


Size is no limit! CWT machines vary from the extra large CWT MB 21600—up to 40,000 pound, yes, 40,000!- crankshafts and large rotors, the Multi-Bal 5000HD that can handle 1200 pound—16 cylinder crankshafts to the small specialty turbo and compressor balancer.

CWT's relationship with organizations such as F1, NASA, NASCAR, NHRA and most OE manufacturers insure that the technology built into CWT balancers not only meet the needs of today's standard automotive and diesel engines, but the needs of highly competitive racing competition now and into the future.

CWT balancers are not just for internal engine parts, they can be used to balance virtually any rotating part on a race car, in a factory or in the air.

CWT is ready to meet your needs. Call them today at 1-(800) 449-1849 or go to their website: www.cwtindustries.com.



Elgin Expands Range Of OE-Grade Fasteners

Elgin Industries has added to its extensive range of original equipment-grade fasteners for popular General Motors LS Series engines. It is important to replace head bolts, main bearing cap bolts and other hardware after one use to prevent loss of clamp load and potential engine damage. The following fasteners are now available through Elgin distributors:

GM LS Gen III and IV

Inner Main Cap Bolt Elgin EHC-1002
(Replaces GM#12560272) M10 x 2 x 103.6

Side Main Cap Bolt Elgin EHC-1003
(Replaces GM#12556127) M8 x 1.25 x 24

Outer Main Cap Bolt Elgin EHC-1006
(Replaces GM#12560273) M10 x 2 x 84 (Bottom)
M8 x 1.25 x 17 (Top)

Complete Set of Bolts for One Engine
(30 Pieces) Elgin EHC-1007S

GM LS Gen V

Head Bolt Elgin EHC-2450
(Replaces GM#11546959)

Main Bearing Cap Bolt Elgin EHC-1004
(Replaces GM#11548075) M10 x 2 x 82

Main Bearing Cap Bolt Elgin EHC-1005
(Replaces GM#11548076) M10 x 2 x 96

Each Elgin fastener meets OE specifications and is machined from U.S.-grade materials to ensure superior strength and reliability.

For more information regarding Elgin products and to look up available parts for any popular engine, visit www.elginind.com.

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The 2021 Champion Racing Oil Contingency Program includes motorsport racing events such as: The All-Star Circuit of Champions (ASCoC), American Sprint Car Series (ASCS), World of Outlaws (WoO), United States Auto Club (USAC) and the International Motor Contest Association (IMCA).



Other popular racing series, but not limited to, are Sprint Car Central PA, UMP, USCS, IRA, MLRA, NHRA, MARA, MARS, NMCA, NMRA and IHRA.

It also includes 2021 diesel events such as: The

Outlaw Diesel Super Series, National Association of Diesel Motorsports (NADM), Ultimate Callout Challenge, Scheid Diesel Extravaganza, Sun Coast Shake-down, Rudy's Truck Jam, Ultimate Callout Challenge, Firepunk Diesel, and Outlaw Diesel Revenge.

In addition, other popular diesel drags and pulling racing series such as; Holly Rock Customs Showdown, Rocky Top Diesel Shootout, Hardway Sunshine Showdown, Battle at the Alamo, East Coast Diesel Nationals, Diesel World Drags, Blackout in the Country, and Week-End on the Edge.

Champion Racing and Performance products are the choice of champions in racing events nationwide. Champion's new 2021 expanded contingency program supports race teams from dirt track to pavement, gas to diesel, and circle track to tractor pulls with contingency cash pay-out awards.

Racing teams and racers can apply for the Champion Racing Oil Contingency Program at <https://www.championbrands.com/racer-contingency/>

In Memory



For those of you who remember Madhu Valluru, a member with Kraus International some years back, we have become aware that he passed away due to a brain hemorrhage suffered in August. Services were held September 3rd in Houston.



I know Terry Kirby of EPWI was not a member of PERA, but many of you suppliers interacted with Terry on inventory issues. Originally with the John D. Harvey Company and then EPWI, Terry spent over 36 years in the industry and was the go-to-guy for maintaining inventory and pricing in the data system for EPWI.

I worked with Terry for 8 years and came to be good friends with him. Despite his liberal leanings, he was open minded and could hold his own in any argument which became a bit of a game between us.

Terry became sick the first week of December and died suddenly on the 5th of Covid19. He was 64 when he passed.

**Production Engine
Remanufacturers Association**

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