

AERA welcomes new members

ACTIVE

- Ashworth Machine, Abilene, TX
- ATC Drivetrain, Oklahoma City, OK
- Autorepuestos el Rincon del Motor, Maiquetia, VENEZUELA
- Bass Repair & Service, Scotland Neck, NC
- BJ's Performance Center, Madison, IA
- Cylinder Head Rebuilders, Smithfield, AUSTRALIA
- Dougs Outstanding Garage, Big Rock, IL
- Edger Engine, Castleton, VT
- Engine Rebuilders, Hamilton, MT
- Herbert Diesel Service, Thibodaux, LA
- Jaguar Machine, Dighton, KS
- Jerry's Machine & Parts, Salmon, ID
- Knights Auto Supply, Commerce Township, MI
- L & P Automotive, Lone Grove, OK
- Lakes Engine Machining, Ruthven, IA
- Ledbetter Machine & Engine, Ledbetter, KY
- Lovick Engineering, Orange, AUSTRALIA
- McIntosh Performance, Cumming, GA
- Mid South Diesel Service, Memphis, TN
- Motor Machine, Carmichael, CA
- Motor Service & Supply, DeSoto, TX
- PAPS Auto, Columbia Station, OH
- Paradise Auto Machine, San Marcos, CA
- PCA Express, Los Angeles, CA
- Port City Engines, Portland, AUSTRALIA

- Rectificadora Gonzalez, San Juan, MEXICO
- RPM Engines & Machine, Victorville, CA
- Sumner Engine & Machining, Moncton, NB, CANADA
- Sweeten's Performance, Pocola, OK
- TBA, Nantucket, MA
- Thomas Auto Parts, Alexander City, AL
- Tractor & Grader Supplies, Gardenview, SOUTH AFRICA
- Twin City Auto Machine, Bristol, VA
- Universal Accessories, Salisbury, CANADA
- Wilson Classic Car, Burlington, WI
- X-Act Machine, Bothell, WA

ASSOCIATE

- Centroid Corp, Howard, PA
- Scribner Plastics, Rancho Cordova, CA
- Shur Power Generators & Engine, Kingston JAMAICA
- Tri State Parts Warehouse, Amarillo, TX

SCHOOLS

- Chaffey College, Pasadena, CA
- Northland College, Thief River Falls, MN
- Texas State Technical College, Waco, TX
- Valley Regional Occupational Program, Sanger, CA

Get ASE Certified!

A tough credential for tough times! ASE certified professionals are more productive, more accurate and, as a result, generally earn more than their non-certified peers. You know you're good. Why not prove it? ASE offers certification tests in May and November at more than 750 locations across the

nation. For more information about ASE, call 319-337-1433 or go online, www.ase.com. ■

In Memory of Sid Greenswag

Sid Greenswag, a former AERA Chairman (1990-91) and a strong supporter of AERA, passed away Jan. 9, 2010, at Clarissa C. Cook Hospice House in Bettendorf, IL. Surviving are his wife, Louise R. Rubin; daughter, Deborah Chausow, Palo Alto, Calif.; sons, Richard, Chicago, Douglas, Seattle; seven grandchildren; sister, Ida Mayer. ■

In Memory of Donna Carrasco

Phillip Carrasco of the Tucker Valve Seat Company lost his wife of 31 years, Donna, after her long battle with cancer. Phillip spent many months with Donna while she was receiving cancer treatment out of town. Phillip and Tucker Valve Seat Company have been longtime supporters of AERA. ■

Hastings Hires Vander Veen as Senior Applications Engineer

Hastings Manufacturing Company, LLC, announced the hiring of Greg Vander Veen, senior applications engineer.

"Greg was hired to support the growth in service of our OEM customer accounts. He joins us from Mahle Engine Components where he held the position of application manager and was responsible for their efforts in the heavy-duty market," said Ira Rosenberg, director of engineering.

Greg has more than 14 years of experience in piston ring design, numerical analysis, and applications engineering. He started his career with Sealed Power Corporation, which was subsequently purchased by Dana Corporation (Perfect Circle®) and more recently by Mahle. ■

FEB. 12-15

DEALER EXPO

Indianapolis, IN
www.dealerexpo.com

FEB. 20

TECH & SKILLS REGIONAL CONFERENCE

Don Gross Sales Company
Vernon, CA
www.aera.org/conferences

MAR. 11-13

HOTROD & RESTORATION SHOW

Indianapolis, IN
www.hotrodshow.com

MAR. 31

ASE SPRING TEST REGISTRATION DEADLINE

ASE Written Certification Tests
www.ase.com

MAY 6, 11 & 13

ASE SPRING TESTING

ASE Written Certification Tests
www.ase.com

MAY 6, 11 & 13

ASE SPRING TESTING

ASE Written Certification Tests
www.ase.com

MAY 15

TECH & SKILLS REGIONAL CONFERENCE

Sunnen & Mahle Clevite
St. Louis, MO
www.aera.org/conferences

JULY 15-17

PAACE AUTOMECHANIKA

Mexico City, Mexico
www.paaceautomechanika.com

SEPT. 30

ASE FALL TEST REGISTRATION DEADLINE

ASE Written Certification Tests
www.ase.com

■ industry news

MAHLE Clevite Crowns MAHLE Engine Builder of the Year for NASCAR Sprint Cup Series

MAHLE Clevite Inc. recently announced Shane Parsnow of Hendrick Motorsports as the 2009 MAHLE Engine Builder of the Year for the NASCAR Sprint Cup Series.

Parsnow, engine builder for Hendrick Motorsports, received this award for accumulating the most MAHLE Clevite points (307), based on qualifying, laps lead and finishing position. Fellow Hendrick Motorsports engine builders, Danny Emerick and Earl Wheeler, finished in second place with 288 points and third place with 254 points respectively.

This is Hendrick Motorsports' fourth consecutive Engine Builder of the Year title, and Parsnow's second in four years. Parsnow was presented with the coveted award at the annual Myers Brothers' Award Presentation held a day in advance of the NASCAR Sprint Cup Series Awards Banquet at the Wynn Las Vegas on Friday, Dec. 4. Over the years, Hendrick Motorsports has racked-up a total of 14 MAHLE Engine Builder of the Year titles.

"We had another successful year here at Hendrick Motorsports that put our cars one, two and three in the final chase," said Parsnow. "We had a total of five engines in the Chase for the Cup this year, and of those 50 motors across the 10 Chase races, not a single failure! I'd like to take this opportunity to thank MAHLE Clevite for supplying our race team with the quality parts that have helped us stay on top over the past four years." ■

GM's Ecotec 2.4L Direct Injection Four-Cylinder Engine Awarded Ward's North American '10 Best Engines'

GM's Ecotec 2.4L I-4 has been awarded Ward's Auto World magazine's 2010 "10 Best Engines" for North America. The direct injected engine with variable valve timing helps deliver segment-best highway fuel economy in GM's popular new crossovers, the Chevrolet Equinox and GMC Terrain. The engine also debuts in the all-new Buick LaCrosse and Regal sedans next year.

Ward's reviewed 34 engines from 13 automakers in the competition. Winners were chosen based on several factors, including power, noise, vibration and harshness (NVH), fuel efficiency, new technology and comparative data for similar engines.



The new Ecotec 2.4L engine includes technology that provides a number of benefits. "Direct injection (DI) was designed into the 2.4L to boost fuel efficiency and for refined power," said Chris Meagher, chief engineer for Ecotec engines. "The VVT (variable valve timing) system is tuned to work in tandem with direct injection to achieve optimum fuel economy and lower emissions.

With direct injection, fuel is sprayed directly into the engine cylinder, where it is mixed with air. As the fuel vaporizes in the cylinder, the air and fuel mixture is cooled. This enables the use of a higher compression ratio, which improves engine efficiency and performance.

The Ecotec 2.4L engine is an all-aluminum, dual overhead cam, four-valve engine with forged steel connecting rods and oil spray cooling for reduced friction and noise. In all models, the engine is mated to a highly efficient six-speed automatic transmission. ■

Fords Own New Power Stroke 6.7L Diesel

A new era in Ford diesel technology arrives with the Ford-engineered, Ford-tested and Ford-manufactured 6.7-liter Power Stroke® V-8 turbocharged diesel engine. 2011 Ford Super Duty Turbocharged Diesel engineered, built and tested in-house. Watch out for this one, it is looking to be the next up and coming, popular choice for medium size truck owners.

Debuting in the next-generation Ford F-Series Super Duty truck, the new diesel engine will deliver significant improvements in torque and horsepower as well as class-leading fuel economy while adding more fueling flexibility and easily meeting stringent new emissions requirements.

"This all-new diesel engine has been so extensively tested both in the lab and in the real world that we're confident we're giving our customers the most reliable and

productive powertrain available today," said Derrick Kuzak, group vice president of Global Product Development.

The diesel engine team made improvements and changes throughout the engine architecture to deliver on aggressive horsepower, torque, emissions and fuel economy targets. The 6.7-liter Power Stroke uses an "inboard exhaust" architecture, an automotive-industry first for a modern production diesel engine. It combines the best of proven technology with new, patented approaches backed by an extensive laboratory and real-world testing regimen to assure customer satisfaction. ■

Hastings is First to Introduce All Steel Nitride Racing Rings

Hastings Manufacturing Company, LLC, has expanded their Tough Guy® Racing Ring series to include an all stainless steel Gas-Nitride ring set with Ceramic PVD coating. The Hastings' All Steel Nitride (SN) rings are specifically designed for high compression engines, including those using nitrous oxide induced and blown alcohol fuels.

Hastings' Tough Guy All Steel Nitride (SN) racing rings are the first to include all three ring grooves in Gas-Nitride hardened stainless steel with PVD-applied Ceramic (CrN) coating. All of the components in the ring set are submitted to a Gas-Nitride hardening process. A Ceramic PBD coating is then applied to the face of the torsional barrel faced top ring as well as to the stainless steel rails of the Flex-Vent® oil ring. The middle ring is a stainless steel Napier design ensuring optimum durability and oil scraping capability under extreme performance conditions. The hardening and coating processes provide superior wear resistance to the entire ring set. The Ceramic PVD coating provides a very low coefficient of friction, thus reducing drag significantly, as well as providing high scuff resistance, high heat resistance, and superior functionality for super-high horsepower engines. The Gas-Nitride and Ceramic PVD are completely compatible to Nikasil-coated cylinder bores.

Hastings Tough Guy Racing Rings are available in three other product groups: Claimer Series, Premium Ductile Series, and Steel Moly & Steel Chrome Series, each serving increasing levels of engine performance.

For more information, contact Hastings Manufacturing Company, LLC, Hastings, MI, 800-776-1088 or go online: www.hastingsmfg.com. ■