PRESENTED BY Motor State DISTRIBUTING

EPIC

ENGINE PROFESSIONAL INDUSTRY CONFERENCE

December 9, 2026
Wednesday before PRI Show
Indiana Convention Center
Indianapolis

Register early, limited seating available:
$125 per person includes t-shirt, breakfast, lunch and four technical sessions. Every person from an AERA member shop will be reimbursed $100 after attending!

aera.org/epic

AERA
ENGINE BUILDERS ASSOCIATION

- Frank Hromadka and Sam Lainhart, BluePrint Engines
- Keith Jones, Total Seal Piston Rings
- Chris Allmond , GSC Power Division
- Lake Speed Jr, SPEEDiagnostix

Early Bird Registration

REGISTER BY OCT. 15 to be entered into a drawing for a chance to win a Lincoln Welder!

WIN A LINCOLN WELDER!

PRI SHOW
DECEMBER 10-12, 2026, INDIANAPOLIS

SCHEDULE – Wednesday, December 9

7:30 - 8:15 AM	BREAKFAST
8:15 - 8:30 AM	SPONSOR RECOGNITION
8:30 - 10:00 AM	FRANK HROMADKA AND SAM LAINHART, BLUEPRINT ENGINES **BluePrint Engines' Approach for Designing an Engine Block** When it comes to horsepower, where do you draw the line? Frank and Sam delve deep into the world-class process that is utilized daily at BluePrint Engines to design, optimize, and perfect engine blocks. Join them for a behind the scenes look at the finer details.
10:00 - 10:30 AM	BREAK
10:30 AM - 12:00 PM	KEITH JONES, TOTAL SEAL PISTON RINGS **The House is Only as Good as the Foundation** Achieving a strong ring seal starts long before final assembly. This presentation highlights the importance of thorough lower-end preparation, attention to detail, and precision in every step to maximize performance, reliability, and engine durability. When every "I" is dotted and every "T" is crossed, the results speak for themselves.
12:00 - 1:00 PM	LUNCH
1:00 - 2:30 PM	CHRIS ALLMOND, GSC POWER DIVISION **What Really Limits Engine RPM? Engineering at the Redline** Chris will explore the engineering challenge of maximizing engine power at high RPM by examining the relationships between airflow, displacement, speed, and horsepower. Using a first-principles approach, it traces the entire chain of requirements, from airflow and valvetrain dynamics to bottom-end durability, lubrication, fuel delivery, ignition, combustion, and structural integrity. Key topics include redline definition, mean piston speed, valve motion and natural frequency, and the influence of air dynamics on valve events. Chris will also cover the support systems required for reliable high-speed operation, including oil control, fuel systems, and thermal management. Ultimately, the presentation provides a systems-level framework for understanding and designing high-performance, high-RPM engines.
2:30 - 3:00 PM	BREAK
3:00 - 4:30 PM	LAKE SPEED JR, SPEEDIAGNOSTIX **The Dynamometer For Engine Health – Used Oil Analysis** Just as a dyno provides data to optimize engine performance, used oil analysis measures wear metals, fuel dilution, viscosity, and contamination to assess engine condition. This presentation explains how oil analysis can be used to optimize maintenance practices, select the right lubricants and filters, and determine appropriate service intervals. Attendees will learn how data-driven oil analysis helps maximize engine reliability, durability, and operating efficiency.
4:30 PM	CONFERENCE ENDS

AERA ENGINE BUILDERS ASSOCIATION

Every person from an AERA member shop will be reimbursed $100 after attending!

EPIC

WHEN: **DECEMBER 9, 2026** (Wednesday before PRI SHOW)
WHERE: **INDIANA CONVENTION CENTER, Indianapolis**
Room 237-239

Register online at aera.org/attend-epic

ATTENDEE REGISTRATION FORM

NAME

COMPANY NAME

AERA ID NUMBER ☐ NON-MEMBERS PLEASE CHECK HERE.

COMPANY ADDRESS

CITY, STATE, ZIP

PHONE

E-MAIL OR FAX CONFIRMATION (REQUIRED)

T-SHIRT SIZE: ☐ L ☐ XL ☐ 2XL

SIGNED BY

EARLY BIRD REGISTRATION
Register by **Oct. 15** to be entered into a drawing for a chance to win a Lincoln Welder!

FEES: $125 per person

Includes t-shirt, breakfast, lunch and 4 technical sessions. List additional attendee names from the same company below and include t-shirt size (L, XL, 2XL) after each name.

NOTE: Every person from an AERA member shop will be reimbursed $100 after attending.

TOTAL AMOUNT ENCLOSED:

☐ CHECK — PLEASE MAKE PAYABLE TO AERA.

CREDIT CARD: ☐ VISA ☐ MASTERCARD ☐ DISCOVER ☐ AMERICAN EXPRESS

CARD NUMBER: EXPIRATION: 3-DIGIT CSC:

CARDHOLDER NAME:

CARDHOLDER SIGNATURE:

IF PAYING BY CREDIT CARD, PLEASE FAX COMPLETED REGISTRATION FORM TO AERA

toll-free fax 888-329-2372

Or, scan the completed form and email to **info@aera.org**

Mail your completed form with payment to: **AERA, 875 Feinberg Court, Suite 106, Cary, IL 60013**
Call AERA toll-free if you have any questions: 888-326-2372 or direct at 815-526-7600.

ENGINE BUILDERS ASSOCIATION

875 Feinberg Court, Suite 106
Cary IL 60013 USA

EARLY BIRD REGISTRATION

Register by **Oct. 15** to be entered into a drawing for a chance to win a Lincoln Welder!

PRESENTED BY Motor State DISTRIBUTING

EPIC

ENGINE PROFESSIONAL INDUSTRY CONFERENCE

DECEMBER 9, 2026
Wednesday before PRI Show
Indiana Convention Center, Indianapolis

aera.org/epic