WTI
WORLDPAC Training Institute

Misfire & Engine Mechanical Diagnostics

Scope-Driven Techniques for Fast Fault Isolation

— Eric Ziegler

Integrating scan data, scope patterns, current probes, vacuum transducers, and pressure transducers into the diagnostic process, technicians gain a clear view of ignition events, fuel contribution, mechanical sealing, and timing behavior without unnecessary teardown.

- Structured Diagnostic Process - Ignition, Fuel and Mechanical Misfire Analysis
- Scan Data Strategies - Direct Testing and Narrow Fault Categories
- Scope Based Evaluation - Ignition Patterns and Fuel Delivery
- Mechanical Engine Analysis - Current, Vacuum and Pressure Transducers
- Electronic Verification of Camshaft Timing, Valve Sealing and Airflow Issues
- Non-Intrusive Testing Methods - Diagnose First...Then Teardown
- Pattern Interpretation for Combustion, Timing and Mechanical Sealing Concerns
- Vehicle Case Studies - Effective Test Selection and Result Interpretation

SATURDAY • 4/11/26
8:00 AM - 5:00 PM

CLASS ID: SEM1982
$385 USD / STUDENT

Hilton Garden Inn
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Bridgewater, NJ