

Engine Analyzer & Reliability 3-Day Workshop



July 25-27th, 2022
Committee Chair, Mary E. Savalle

All Times are Central

Day I - Monday, July 25th

12:30 p.m. – 1:00 p.m.	Day 1 Registration
1:00 p.m. – 1:30 p.m.	Day 1 Opening/Welcome/Safety Moment <i>Rishi Chauhan, GMRC and Mary Savalle, EAR Committee Chair</i>
1:30 p.m. – 2:00 p.m.	SwRI Current Research Efforts SwRI Guest
2:00 p.m. – 3:00 p.m.	Valve Failure Analysis <i>Scott Heckler, Ariel</i>
3:00 p.m. – 3:15 p.m.	Day 1 Break I
3:15 p.m. – 4:00 p.m.	Good to Fail <i>Mary Chapman, Windrock</i>
4:00 p.m. – 4:45 p.m.	Engine Balancing - Past, Present, and Future <i>Jim McCoy, RCT & Bryan Stewart, MMS</i>
4:45 p.m.	Closing
6:30 p.m. – 10:00 p.m.	Riverwalk Social Event

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Day II - Tuesday, July 26th

7:30 a.m. – 8:00 a.m.	Day 2 Registration/Continental Breakfast
8:00 a.m. – 8:45 a.m.	ESG, GHGs, VOCs, and VHPs <i>Ryan Rudnitzki, Waukesha</i>
8:45 a.m. – 9:45 a.m.	Spectrum Simplified <i>Mark Hullinger, Williams</i>
9:45 a.m. – 10:00 a.m.	Day 2 Break I
10:00 a.m. – 11:00 a.m.	Overlubrication of 2-Stroke Lean Burn Natural Gas Fired Engines: Signs, Symptoms & Solutions <i>Bryan Boarts, Sloan Lubrication</i>
11:00 a.m. – 11:30 a.m.	Case Study – Oil Pump Failure <i>Kodey Holley, Southernstar</i>
11:30 a.m. – 12:30 p.m.	Lunch/Social Hour <i>Southwest Research Institute San Antonio, TX</i>

12:30 p.m. – 2:30 p.m.	Pattern Interpretation Round II <i>Keith Schafer, Blackrock resources</i>
2:30 p.m. – 2:45 p.m.	Day 2 Break II
2:45 p.m. - 3:30 p.m.	Hydrogen Testing in Large Bore Slow Speed Integral Engine <i>Hans Mathews, Cooper Machinery Services</i>
3:30 p.m. - 4:30 p.m.	High Speed Compressor Package Piping Vibration - Standards & Case Studies <i>Ed Flanagan, Resonance Systems</i>
4:30 p.m. – 6:00 p.m.	Lab Tour/Reception

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Day III - Wednesday, July 27th

7:30 a.m. – 8:00 a.m.	Day 3 Continental Breakfast
8:00 a.m. – 8:45 a.m.	Comparison of Aftermarket Auto Balance Systems for Two and Four Stroke, Slow Speed, Natural Gas Engines' <i>Aaron Carper & Seth Johnson, TC Energy</i>
8:45 a.m. – 9:30 a.m.	Hydrogen Blending at Compressor Stations <i>Sarah Simons, SwRI</i>
9:30 a.m. – 9:45 a.m.	Day 3 Break I
9:45 a.m. – 10:30 a.m.	Hydrogen Solutions for the Future of Energy <i>Earl Glover, Siemens Energy</i>
10:30 a.m. – 11:15 a.m.	Enhanced Radical Ignition (ERI) Performance on Legacy Integral Engines/Compressors <i>Jim McCoy, RCT</i>
11:15 a.m. – 11:45 a.m.	Hydrogen vs Natural Gas Characteristics <i>Mary Savalle, Southern Gas Association</i>
11:45 a.m. – 12:45 p.m.	Day 3 Lunch Break
12:45 p.m. – 2:45 p.m.	Analysis Myth Busters <i>Randy Anderson, Cooper</i>
2:45 p.m. – 3:00 p.m.	Day 3 Break II
3:00 p.m. – 3:45 p.m.	Angular Velocity <i>Ed Kelleher, Windrock</i>
3:45 p.m. – 4:30 p.m.	Open Discussion Forum
4:30 p.m.	Closing/Adjourn