

Engine Analyzer & Reliability 3-Day Workshop



October 18-20, 2021
Committee Chair, Mary E. Savalle

All Times are Eastern

Day I - Monday, October 18th

- 10:00 a.m. – 12:00 p.m. **Day 1 Introduction to Engines and Compressors**
Mary Savalle, EAR Committee Chair
- 1:00 p.m. – 1:15 p.m. **Day 1 Opening/Welcome/Safety Moment**
Rishi Chauhan, GMRC and Mary Savalle, EAR Committee Chair
- 1:15 p.m. – 2:45 p.m. **Natural Gas Emissions**
Mary Savalle, Radical Combustion Technologies
- 2:45 p.m. – 3:15 p.m. **Troubleshooting: Engine Issues w/o Clear Diagnosis**
Ryan Rudnitzki, Waukesha Gas Engines
- 3:15 p.m. – 3:30 p.m. **Day 1 Break I**
- 3:30 p.m. – 4:15 p.m. **Reliability – Maintenance - Overhaul Planning**
Ronnie Walker, Mueller Environmental | John Hux, Foley Equipment Company
- 4:15 p.m. – 5:00 p.m. **Case Studies – Head End Unloader Not Actuating**
Mark Hullinger, Williams Pipeline
- 6:00 p.m. – 9:00 p.m. **Optional Social Gathering**

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Day II - Monday, October 19th

- 8:00 a.m. – 8:30 a.m. **Day 2 Opening/Welcome/Safety Moment**
Rishi Chauhan, GMRC and Mary Savalle, EAR Committee Chair
- 8:30 a.m. – 9:30 a.m. **TBD**
Kent Peterson, Machinery Monitoring Systems, LLC
- 9:30 a.m. – 10:15 a.m. **TBD**
TBD
- 10:15 a.m. – 10:30 a.m. **Day 2 Break**

- 10:30 a.m. – 11:00 a.m. **Case Study – Post Overhaul Issue**
Doug Tillison, TC Energy
- 11:00 a.m. – 11:30 p.m. **Case Study – Oil Pump Failure**
Kodey Holley, Southern Star
- 11:30 a.m. – 12:00 p.m. **Case Study – GCX Commissioning w/ Kinder Morgan**
Ryan Rudnitzki, Waukesha
- 12:00 p.m. – 1:00 p.m. **Day 2 Lunch**
- 1:00 p.m. – 3:00 p.m. **Analysis–Deep Dive**
Keith Schafer, TC Energy
- 3:15 p.m. - 3:15 p.m. **Day 2 Break**
- 3:15 p.m. - 5:00 p.m. **By the Numbers – Compressor Performance Review**
Mary Chapman, Windrock Inc. | Mike Jones, Windrock Inc.

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Day III - Wednesday, October 20th

- 8:00 a.m. – 8:15 a.m. **Day 3 Opening/Welcome/Safety Moment**
Rishi Chauhan, GMRC and Mary Savalle, EAR Committee Chair
- 8:15 a.m. – 9:00 a.m. **Reducing Power Cylinder Lubrication Rates**
Bryan Boarts, Sloan Lubrication | Matt McCarthy, Sloan Lubrication
- 9:00 a.m. – 9:45 a.m. **Case Study of Implementing Enhanced Radical Ignition (ERI) in a GMVC6 open-chamber natural gas engine**
Michael Manfredi, Radical Combustion Technologies
- 9:45 a.m. – 10:00 a.m. **Day 3 Break**
- 10:00 a.m. – 11:00 a.m. **Case Studies**
Steve McNair, Resonance Systems | Ed Flanagan, Resonance Systems
- 11:00 a.m. – 12:00 p.m. **Waukesha MyPlant Reliability and its Digital Future**
Dylan Abel, Innio
- 12:00 p.m. – 12:45 p.m. **Day 3 Lunch Break**
- 12:45 p.m. – 1:30 p.m. **Guest Speaker**
Peter Senecal, Convergent Science
- 1:30 p.m. – 2:00 p.m. **Ignition Systems**
Mike Porter, Altronic

- 2:00 p.m. – 2:30 p.m. **Case Study – Ariel CP Valve Efficiency and Reliability**
Scott Heckler, Ariel
- 2:30 p.m. – 2:45 p.m. **Day 3 Break II**
- 2:45 p.m. – 3:30 p.m. **Case Study**
William Taylor, Retired
- 3:30 p.m. – 4:15 p.m. **Case Study – Troubleshooting Combustion Anomalies on High
Pressure Fuel Injected and Port-4 Equipped units**
Steve Hawley, Enginuity (Siemens)
- 4:15 p.m. – 4:30 p.m **Closing/Adjourn**