

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 <i>Mary Savalle, EAR Committee Chair</i>
1:00 p.m. – 1:15 p.m.	Day 1 Opening/Welcome/Safety Moment <i>Rishi Chauhan, GMRC and Mary Savalle, EAR Committee Chair</i>
1:15 p.m. – 2:45 p.m.	Natural Gas Emissions <i>Mary Savalle, Radical Combustion Technologies</i>
2:45 p.m. – 3:15 p.m.	Troubleshooting: Engine Issues w/o Clear Diagnosis <i>Ryan Rudnitzki, Waukesha Gas Engines</i>
3:15 p.m. – 3:30 p.m.	Day 1 Break I
3:30 p.m. – 4:15 p.m.	Reliability – Maintenance - Overhaul Planning <i>Ronnie Walker, Mueller Environmental John Hux, Foley Equipment Company</i>
4:15 p.m. – 5:00 p.m.	Case Studies – Head End Unloader Not Actuating <i>Mark Hullinger, Williams Pipeline</i>
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 <i>Rishi Chauhan, GMRC and Mary Savalle, EAR Committee Chair</i>
8:30 a.m. – 9:30 a.m.	TBD <i>Kent Peterson, Machinery Monitoring Systems, LLC</i>
9:30 a.m. – 10:15 a.m.	TBD <i>TBD</i>
10:15 a.m. – 10:30 a.m.	Day 2 Break

10:30 a.m. – 11:00 a.m.	Case Study – Post Overhaul Issue <i>Doug Tillison, TC Energy</i>
11:00 a.m. – 11:30 p.m.	Case Study – Oil Pump Failure <i>Kodey Holley, Southern Star</i>
11:30 a.m. – 12:00 p.m.	Case Study – GCX Commissioning w/ Kinder Morgan <i>Ryan Rudnitzki, Waukesha</i>
12:00 p.m. – 1:00 p.m.	Day 2 Lunch
1:00 p.m. – 3:00 p.m.	Analysis–Deep Dive <i>Keith Schafer, TC Energy</i>
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 <i>Mary Chapman, Windrock Inc. Mike Jones, Windrock Inc.</i>

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Day III - Wednesday, October 20th

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

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