

# Engine Analyzer & Reliability 3-Day Workshop



**July 25-27<sup>th</sup>, 2023**

**Committee Chairs, Aaron Carper & Seth Johnson**

**CSU Powerhouse – 430 N College Ave, Fort Collins, CO 80524**

*All Times are Mountain Time*

**Day I - Tuesday, July 25<sup>th</sup>**

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8:00 a.m. – 9:00 a.m.	<b>Day 1 Registration</b>
9:00 a.m. – 9:45 a.m.	<b>Vibration related concerns on Waukesha VHP Series</b> <i>Ramiro Quiroga, Resonance systems</i>
9:45 a.m. – 10:30 a.m.	<b>Force Feed Lubrication for Power Cylinders on Integral Compressors</b> <i>Matt McCarthy, Sloan</i>
10:30 a.m. – 10:45 a.m.	<b>Day 1 Break I</b>
10:45 a.m. – 11:20 a.m.	<b>Station Efficacy: Seeing the Big Picture</b> <i>Mark Hullinger, Williams</i>
11:20 a.m. – 12:05 p.m.	<b>Top Ten List: Collection &amp; Analyze</b> <i>Mary Chapman, Windrock</i>
12:05 p.m. – 12:45 p.m.	<b>Day 1 Lunch/Social Hour</b>
12:45 p.m. – 1:45 p.m.	<b>Engine Analysts and Digital Transformation</b> <i>David Krennek, Monico</i>
1:45 p.m. - 2:45 p.m.	<b>How Differential Pressure Affects Force Feed Lubrication &amp; The Impact on Compressor Cylinder Wear Components</b> <i>West Hickham, CECO</i>
2:45 p.m. – 3:30 p.m.	<b>Waukesha and Detechtion Collaboration and Technology Overview</b> <i>Dylan Abel, Waukesha</i>
3:30 p.m. – 3:45 p.m.	<b>Day 1 Break II</b>
3:45 p.m. – 4:30 p.m.	<b>Using heat map representations of Historical data sets</b> <i>Michael Schultze, Siemens Energy</i>
5:00 p.m. – 6:15 p.m.	<b>Open House: Siemens Energy – Fort Collins</b> <i>4700 McMurry Drive, Fort Collins, CO 80525</i>
6:30 p.m. – 8:00 p.m.	<b>Envy Brewery Tour Social event</b> <i>3027 E Harmony Rd Suite #2, Fort Collins, CO 80528</i>

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## Day II - Wednesday, July 26<sup>th</sup>

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7:30 a.m. – 8:15 a.m.	Day 2 Opening/Breakfast
8:15 a.m. – 9:45 a.m.	Leveraging the ½ gram NOx AJAX Technology to Meet Good Neighbor Rule Requirements for other Low BMEP Non-turbocharged Engines <i>Hans Mathews, Cooper Machinery Services</i>
9:45 a.m. – 10:00 a.m.	Day 2 Break I
10:00 a.m. – 12:00 p.m.	Thermodynamics & HP Curves <i>Dwayne Hickman, ACI Services</i>
12:00 p.m. – 1:00 p.m.	Lunch/Social Hour
1:00 p.m. – 3:00 p.m.	Fundamentals of Troubleshooting <i>Randy Anderson, Cooper Machinery Services</i>
3:00 p.m. – 3:15 p.m.	Day 2 Break II
3:15 p.m. - 4:00 p.m.	Inflation Reduction Act, Greenhouse Gas Reporting Program, and Waukesha Emissions Factors <i>Ryan Rudnitzki, Waukesha</i>
4:00 p.m. - 5:00 p.m.	Various Research Projects <i>CSU Students</i>
5:00 p.m. - 6:00 p.m.	Networking Happy Hour

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## Day III - Thursday, July 27<sup>th</sup>

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7:30 a.m. – 8:15 a.m.	Day 3 Breakfast
8:15 a.m. – 9:15 a.m.	Getting Ready for Good Neighbor <i>Byoung Choe, Siemens</i>
9:15 a.m. – 10:00 a.m.	Good Neighbor Policy Solutions <i>Jim McCoy, RCT</i>
10:00 a.m. – 10:45 a.m.	Using a portable analyzer to calibrate an online system <i>Kent Peterson, MMS</i>
10:45 a.m. – 11:45 a.m.	Roundtable Discussion <i>Seth Johnson, TC Energy</i>
12:00 p.m.	Adjourn