

Engine Analyzer & Reliability Workshop

In Conjunction with SGA Natural Gas Connect Conference

Committee Chair
Joe Lavy, Atmos Energy

July 15-17, 2019
J.W. Marriott Hill Country | San Antonio, TX

Monday, July 15

| | |
|-----------------------|--|
| 9:00 a.m. – 6:00 p.m. | Onsite Registration/Badge Pick Up |
| 1:00 p.m. – 2:45 p.m. | Natural Gas Connect General Session |
| 2:45 p.m. – 3:00 p.m. | Break |
| 3:00 p.m. – 4:30 p.m. | Emissions <i>Manny Angulo, Williams</i> |
| 4:30 p.m. – 5:30 p.m. | Reception with Natural Gas Connect Conference Exhibitors |
| 6:30 p.m. – 9:00 p.m. | Special Event hosted by Southern Gas Association |

Tuesday, July 16

| | |
|-------------------------|--|
| 7:00 a.m. – 1:00 p.m. | Onsite Registration/Badge Pick Up |
| 7:00 a.m. – 8:00 a.m. | Breakfast with Natural Gas Connect Conference Exhibitors |
| 8:00 a.m. – 8:15 a.m. | Welcome/Safety Moment <i>Joe Lavy, Atmos Energy</i> |
| 8:15 a.m. – 8:30 a.m. | Turbine Vibration Data Collection Using the Windrock Analyzer <i>Mark Hullinger, Williams</i> |
| 8:30 a.m. – 9:45 a.m. | Station 45 Turbocharger – Lessons Learned <i>Dave Danos, Williams</i> |
| 9:45 a.m. – 10:00 a.m. | Break |
| 10:00 a.m. – 11:45 a.m. | Pulsation/Vibration <i>Frank Fifer, Peerless Dynamics</i> |
| 11:45 a.m. – 12:00 p.m. | Impacts of the Introduction of a Mass Imbalance to a W330 <i>Mary Savalle, DTE Energ</i> |
| 12:00 a.m. – 1:00 p.m. | Lunch with Natural Gas Connect Conference Exhibitors |
| 1:00 p.m. – 1:45 p.m. | Wesco Fuel Valves <i>Bill Hughes – Kinder Morgan</i> |
| 1:45 p.m. – 2:45 p.m. | Prime Movers – Where did They Come From, Where Are They Now, And Where Are They Going <i>Randy Anderson - CECO</i> |

| | |
|-------------------------|--|
| 2:45 p.m. – 3:00 p.m. | Break |
| 3:00 p.m. – 5:00 p.m. | Prime Movers – Where did They Come From, Where Are They Now, And Where Are They Going <i>Randy Anderson - CECO</i> |
| 5:00 p.m. – 6:30 p.m. | Reception with Natural Gas Connect Conference Exhibitors Wednesday, July 17 |
| <hr/> | |
| 7:00 a.m. – 10:30 a.m. | Onsite Registration/Badge Pick Up |
| 7:00 a.m. – 8:00 a.m. | Breakfast with Natural Gas Connect Conference Exhibitors |
| 8:00 a.m. – 8:15 a.m. | Welcome/Safety Moment <i>Joe Lavy, Atmos Energy</i> |
| 8:15 a.m. – 8:45 a.m. | Bethel Turbo Trouble Shooting (KVSR) <i>Robert Millward, Atmos</i> |
| 8:45 a.m. – 9:30 a.m. | Why Turbochargers Fail <i>Allen Perry, Mitch Opat, Archrock</i> |
| 9:30 a.m. – 9:45 a.m. | Break |
| 9:45 a.m. – 10:15 a.m. | Compressor Packing Vents <i>Dave Rutherford, Crestwood Midstream LP</i> |
| 10:15 a.m. – 11:15 a.m. | Taking The Data to The Next Level <i>Ronnie Walker, Hoerbiger Engine Services</i> |
| 11:15 a.m. – 12:00 p.m. | Lunch |
| 12:00 p.m. – 1:00 p.m. | Presentation Title <i>Roger Downey, Highmark Analytical</i> |
| 1:00 p.m. – 2:15 p.m. | Fundamentals of Engine Balancing Utilizing Fuel Rail Simulator <i>Mary Savalle, DTE Energy</i> |
| 2:15 p.m. – 2:30 p.m. | Break |
| 2:30 p.m. – 3:00 p.m. | Listen Understand Resolve: Reciprocating Equipment Analysis I.R 48 KVSRA <i>Tracey Wimberly, UPS Midstream</i> |
| 3:00 p.m. – 4:00 p.m. | Engine Balancing 2019 GMC <i>Joe Powell, UPS Midstream</i> Short Course |
| 4:00 p.m. – 5:00 p.m. | Windrock Breakout Session <i>Mike Jones, Windrock</i> |
| 5:00 p.m. | Adjourn |