

2025-July 30



GAS MACHINERY CONFERENCE: SEPTEMBER 28 - OCTOBER 1, 2025 IN LOUISVILLE, KY

Sunday: September 28th, 2025 Registration 2:00 PM - 6:00 PM
Kentucky International Convention Center - Registration Desk for Badge pick up
Mobile app sponsored by TBD



5:00 PM - 7:00 PM

**Opening Reception
sponsored by Shell
Lubricants**



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Monday: September 29th, 2025

7 AM Breakfast - Ballroom A-E - Main Concourse of the KICC

8 AM - 11 AM Short Courses & Mini-Short Courses | 9:30AM Refreshment Break

Time / Room Location	Company	Author/s	Paper Title	Track
8-11am / M100	Burgess-Manning - A CECO ENVIRONMENTAL BRAND	Mr. Joshua Taylor, Mr. Jeffery Ceier, Mr. Hans van Essen, & Mr. Friso Koopman	Acoustics - Noise Pollution & Control	Vibration/Pulsation
8-11am / M103	ChampionX/Windrock	Mrs. Mary Chapman	Introduction to time waveform and spectrum analysis: How this tool can be incorporated into an existing reciprocating monitoring program to provide additional insight	Reciprocating Compressors
8-11am / M104	Wood, Ariel, ACI services, Propak, Caterpillar, American Power Innovations	Mr. Steven Todaro, Mr. Greg Phillippi, Mr. Norm Shade, Mr. Matthew Ferguson, Mr. Ken Hall, & Mrs. Misty Ingle	An In-depth Review of API Specification 11P 3rd Edition Packaged Reciprocating Compressors	Reciprocating Compressors
Mini SC 9:30-11am / M107	Petro-Canada Lubricants	Mr. Garrett Bapp	Establishing An Effective Natural Gas Engine Oil Analysis Program	Reciprocating Engines
Mini SC 8-9:30am / M108	SwRI & BlackRock Resources	Ms. Sarah Simons & Mr. Keith Schafer	Impact of Weather on Compressor Stations	Safety
Mini SC 9:30-11am / M111	HOERBIGER	Mr. Travis Tabb	Introduction to Rings & Packing	Reciprocating Compressors
SC 8-11am / M112	Cooper Machinery Services	Mr. Andrew Blumrick, Mr. Dustin Malicke, Mr. Randy Anderson, Mr. Hans Mathews	How to Tune a Large Bore Gas Pipeline Engine, How to Troubleshoot a Large Bore Gas Engine	Reciprocating Engines

11:00 AM - 1:00 PM

Conference Kick-off Keynote and Luncheon - Keynote Speaker -
Kentucky International Convention Center
Sponsored by Sloan Lubrication Systems



1:15 PM - 2:15 PM Technical Papers | Monday: September 29th, 2025

Time / Room Location	Company	Author/s	Paper Title	Track
1:15-2:15pm / M100	Southwest Research Institute, Enbridge	Mr. Mark Anguiano, Dr. Tommy Kerr, Mr. Richard Fink	GMRC: Recompression Best Practices	Emissions
1:15-2:15pm / M103	Siemens Energy	Mr. Kevin Davies, Mr. Victor Lantz, Mr. Seth Johnson	Technical Support 2025 - Whats working and whats not! One OEM - effort to answer the question!	Reciprocating Engines
1:15-2:15pm / M104	ACI Services & Williams	Mr. Norm Shade, Mr. Tyler King	Development of an Energy Exchange Compressor for Vent Gas Recompression	Reciprocating Compressors
1:15-2:15pm / M107	Monico, Inc.	Mr. David Krenek	Identifying Developing Failures Know Your Data, Know Your Equipment Lessons Learned	Data Analytics
1:15-2:15pm / M108	Wood - Vibration, Dynamics, & Noise	Mr. Wally Bratek, Mr. Steven Crocker	Accurately Measuring and Interpreting Pressure Pulsations in the Field	Vibration/Pulsation
1:15-2:15 pm / M111	Wood	Mr. Steven Todaro, Mr. Evan Mueller	Control and Protection Panels for Gas Compressor Packages - A Primer	Auxiliary Systems
1:15- 2:15pm / M112	Kinder Morgan	Mr. David Maas, Mr. Salvador Chaidez	Case Study - Troubleshooting & Resolution for HyperFuel Valves Over Fueling	Reciprocating Engines

2:15 PM - 2:30 PM Networking Break


2:30 PM - 3:30 PM Technical Papers | Monday: September 29th, 2025


2:30-3:30pm / M100	HOERBIGER	Dr. Bernhard Fritz, Mr. John Ladd, Mr. Geyor Meyer	Optimization of pressure packing designs in consideration of rod temperatures	Reciprocating Compressors
2:30-3:30pm / M103	Southwest Research Institute, Kinder Morgan	Ms. Christine Thompson, Mr. Francisco Fierro, Mr. Dylan Kraus, Mr. Trevor Johnson, Mr. Benjamin White	Effective Gas Cooler Riser Designs to Reduce nozzle loads and prevent expensive re-designs	Other
2:30-3:30pm / M104	TC Energy Corporation & Rockwell Automation	Mr. Christopher Scurlock, Mr. Patrick Parker	Transforming How You Define Reliability and Performance Through Data and Digital Twins	Data Analytics

2:30-3:30pm / M107	Solar Turbines and EOG Resources	Ms. Cassandra Vallecilla, Mr. Avneet Singh, Mr. Matthew Morse, Mr. Reese Martin	Centrifugal Compressors in Gas Gathering Applications Update	Centrifugal Compressors
2:30-3:30pm / M108	Altronic, LLC & Axip	Mr. David Bell, Mr. Brandon Mirto, Mr. Gregg Grubbs, Mr. David Lepley, Mr. Matthew Traina	Field Validation of MEMS-Based Vibration Monitoring Solutions for Reciprocating Machinery	Vibration/Pulsation
2:30-3:30pm / M111 (cont.)	Wood	Mr. Steven Todaro, Mr. Evan Mueller	Control and Protection Panels for Gas Compressor Packages - A Primer	Auxiliary Systems
2:30- 3:30pm M112	Enerflex	Mr. Kirk Stalis, Mr. Lance Roberts	Electrification in Gas Processing: Keeping Pace with Electrical Demand	Reciprocating Engines
3:30 PM - 3:45 PM Refreshment Break				
3:45 PM - 4:45 PM Technical Papers Monday: September 29th, 2025				
3:45-4:45pm / M100	Bechtel & Enbridge	Mr. Richard Fink, Mr. Martin Taylor, Mr. Charles Kimtantas, Dr. Aranb Baksi	Bechtel Sulfur Adsorbent Technology (BSAT) Field Results at a Recompression Station	Research
3:45-4:45pm / M103	Wood - Vibration, Dynamics, & Noise	Mr. Fisayo Olofin, Mr. Juan Torres	Balancing contradicting high stiffness and low nozzle load requirements on centrifugal and screw compressors during the design phase.	Centrifugal Compressors
3:45-4:45pm / M104	TC Energy & Solar Turbines	Mr. Seth Johnson, Mr. Marco Vagani	Centrifugal Compressor "Mousebite" Impeller Resonance: Resolution and Lessons Learned	Centrifugal Compressors
3:45-4:45 pm/ M107	HOERBIGER	Mr. John Ladd, Dr. Bernhard Fritz, Mr. Cory Bulloch	Design Consideration of the Crosshead Joint	Reciprocating Compressors
3:45-4:45pm / M108	Cooper Machinery Services	Mr. John Kyle & Mr. Jake Kail	Station Preparation for Emissions Upgrades	Emissions
3:45-4:45pm / M111 (cont.)	Wood	Mr. Steven Todaro, Mr. Evan Mueller	Control and Protection Panels for Gas Compressor Packages - A Primer	Auxiliary Systems
3:45- 4:45pm M112	Ariel & Hasse & Wrede	Mr. Thomas Stephens, Mr. Matthew Thorn, Mr. Norbert Reinsperger, Mr. Rick Zadoks, Mr. Michael Steidl	Torsional Vibration Mitigation using Drive-End Dampers for Reciprocating Compressors and Optimizing Damper Performance through Driveline Tuning	Vibration/Pulsation
4:45 PM - 6:15 PM	Reception Sponsored			
Tuesday: September 30th, 2025				

6:30 AM - 8:00 AM	Breakfast with Exhibitors by HOERBIGER	<div> Exhibit Hall</div>		
8 AM - 11 AM Short Courses and Mini-Short Courses				
Time / Room Location	Company	Main Author	Paper Title	Track
8-11am / M100	Ariel Corporation	Mr.Patrick Campbell	Basic Thermodynamics of Reciprocating Compression	Reciprocating Compressors
8-11am / M103	Southwest Research Institute	Mr. Benjamin White, Mr. Eugene "Buddy" Broerman, Ms. Sarah Simons	Advanced Topics in Acoustics and Vibrations	Vibration/Pulsation
8-11am / M104	Solar Turbines and RKSBenenergy LLC	Mr. Avneet Singh, Dr. Rainer Kurz	Centrifugal Compressors: Principles, Design and Control	Centrifugal Compressors
Mini SC 8-9:30am / M107	TC Energy and UPS Midstream	Mr. Seth Johnson, Mr. James Bankston	Oil Varnish Basics and How to Design a Fluid Flush to Remove It.	Gas Turbines
Mini SC 9:30-11:00am /M107	Ariel Corporation	Dr. Clint Lingel	Reciprocating Compressor Lubrication and the Effects of Surface Tension: An Alternative Theory to Oil Dilution	Auxiliary Systems
Mini SC 8-9:30am / M108	AESSEAL	Mr. Alasdair Conn	Understanding the Mechanics of Dry Gas Seal Operation & Reliability Issues	Centrifugal Compressors
Mini SC 9:30-11am / M111	step2compliance	Mr. Brian Kromer	Fugitive Emissions: Future Proofing Your Compliance Strategy to be Ready for Any Change	Emissions
8:00-11:00am /M112	Southwest Research Institute	Dr. Tim Allison, Mrs. Sarah Simons	Direction and Trends for the Gas Pipeline Industry	Other
11:00 AM - Exhibit Hall Opening				
11:00 AM - 12:30 PM Lunch with Exhibitors Sponsored by				
1:00 PM - 2:30 PM Tech Updates Tuesday: September 30th, 2025 (10 Technology Updates - 80 Minutes) Sponsored by Sloan Lubrication Systems			<div></div>	
Time / Room Location	Company	Main Author	Paper Title	Track
8 min	Altronic	Mr. David Bell	Technical Update - Product Development Review from Altronic	Reciprocating Compressors
8 min	Elliott	Mr. Todd Omatick	Elliott's full compressor package string testing: for motor driven pipeline units, e-LNG and Co2 compression	Centrifugal Compressors

8 min	Regal Rexnord	Mr. Don Daly	Drive Couplings in Gas Compression	Reciprocating Compressors
8 min	Solar Turbines	Mr. Avneet Singh, Ms. Mahsima Rostami	Solar Turbines Tech Update	Gas Turbines
8 min	Everllence	Mr. Domingo Fernandez, Mr. Andrei Popescu, Mr. Tim Schneiderat	Hermetically Sealed Compressors for the US Midstream Market	Centrifugal Compressors
8 min	HOERBIGER	Mr. Benjamin Kluding	HOERBIGER Emission Recovery System (ERS)	Emissions
8 min	Idemitsu Lubricants America	Mr. Thomas Khondaker	Idemitsu lubricants for reciprocating compressor for natural gas pipeline application	Auxiliary Systems
8 min	AXIP	Mr. John Guyones	New Rotating Crankcase Vent System Successfully Tested as a Single Point Source Device Capturing All Vent Gas with Liquid Removal from Reciprocating Compressors	Auxiliary Systems
8 min	Monico Inc.	Mr. David Krenek	CompressorWatch & mCore Update	Data Analytics
8 min	Wood	Mrs. Starr Dalton	Clamp wars III - Return of the anti-vibration products	Vibration/Pulsation
2:15 PM Coffee Break				
2:30 PM - 3:30 PM Technical Papers Tuesday: September 30th, 2025				
2:30-3:30pm / M100	Wood & Keyera	Mr. Kelly Eberle, Mr. Doug McKenzie, Mr. Juan Torres	Solving screw compressor package vibration problems	Vibration/Pulsation
2:30-3:30pm / M103	Elliott Group / Ebara Corporation	Mrs. Marybeth McBain	Making the Switch from Gas Turbines to Motor Driven Pipeline Compressors - Challenges and Solutions	Centrifugal Compressors
2:30-3:30pm / M104	Basic Systems, Inc., Bidell Gas Compression, National Fuel Gas Company	Mr. Ron Miller, Mr. David Bartlett, Mr. John Joy	Mitigation of CO ₂ e Emissions Thru Natural Gas Recovery at Natural Gas Facilities	Emissions
2:30-3:30pm / M107	Dover Precision Components	Dr. Tanil Ozkan, Dr. Steve Pouliot, Dr. Jonathan Peneranda, Dr. Burak Bekisli	The Role of PTFE in High Speed Reciprocating Compressor Dynamic Sealing Applications and Routes to Finding Alternatives	Reciprocating Compressors
2:30-3:30pm / M108	Idemitsu Lubricants America	Mr. Thomas Khondaker	Reciprocating compressor reliability improvement by choosing the right lubricating oil	Auxiliary Systems
2:30-3:30pm / M111	Colorado State University	Mr. Zachary Jones, Mr. Arturo Quintero Castillo, Mr. Andrew Zdanowicz, Dr. Bret Windom	Rod Packing and Crankcase Vent Gas Capture and End Use	Reciprocating Compressors

2:30-3:30pm / M112	Southwest Research Institute & Kinder Morgan	Mr. Adrian Alvarado, Mr. Andre Simas, Mr. Thomas Latta	Evaluation of Flow Distribution Through Different Cooler Piping Configurations	Auxiliary Systems
3:30 PM- 3:45 PM Break				
3:45 PM- 4:45 PM Technical Papers Tuesday: September 30th, 2025				
3:45-4:45pm / M100	DCL International Inc.	Dr. Shazam Williams, Dr. Robin Hu, Dr. Rajesh Parmar	Methane Emissions Destruction	Emissions
3:45-4:45pm / M103	Siemens Energy and Targa Resources	Mr. Michael Schulze, Mr. Jacob Dalton, Mr. Joel Sanford	A Novel Technique to Monitor Machine Health using Dynamically Captured Mixed Signals in Multi-Domain Environments.	Reciprocating Compressors
3:45-4:45pm / M104	Wood	Mr. Juan Torres, Mr. Andre Masse	A practical guide on the selection and manufacturing design of vibration control solutions. A case study approach.	Vibration/Pulsation
3:45-4:45pm / M107				
3:45-4:45pm / M108	Southwest Research Institute	Mr Eugene "Buddy" Broerman, Mr. Adrian Alvarado	GMRC Research: Analysis of Impacts on Natural Gas Pipeline Compressor Stations from Converting to a CO2 Pipeline	Research
3:45-4:45pm / M111	Siemens Energy Industrial Turbomachinery India Pvt. Ltd.	Mr. Rajesh Surani, Mr.Kelly Eberle	Design of Freestanding High-Speed Reciprocating Compressor Packages and Foundations	Reciprocating Compressors
3:45-4:45pm / M112	Wood PLC, Conoco Phillips	Mr. Jeffrey Barss, Mr. Garth Sanders, Mr. Attila Komlodi, Mr. Daniel Avellaneda Sanchez, Mr. Aidan Jeeva	Designing for Success: Best Practices in Compressor Package Development Based on Continuous Improvement Strategies	Reciprocating Compressors
4:45 PM- 6:15 PM	Exhibitor Reception Sponsored by Idemitsu Lubricants America	<div><div> idemitsu</div><div><div>Lubricants</div><div>The Heart of Technology</div></div></div> <div>Exhibit Hall</div>		
Wednesday: October 1st, 2025				
6:30 AM - 8:00 AM Breakfast with Exhibitors				
8:00 AM - 9:30 AM Mini-Short Courses				
Time / Room Location	Company	Author/s	Paper Title	Track
8-9:30 am / M100	C&C Petrogas Engineering	Mr. Greg Phillippi	Capacity Control and the Pressure-Volume Diagram	Reciprocating Compressors
8-9:30 am / M103	Advanced Catalyst Systems and VANECE Industrial Silencers	Mr. Doug Campbell, Mr. Michael Parlato	Emissions Reduction and Catalyst Silencer Considerations for Legacy Slow Speed Two-Cycle Engines	Emissions
8-9:30 am / M104	Solar Turbines and RKSBEnergy LLC	Dr. Rainer Kurz & Mr. Avneet Singh	Power Cycles: Gas Engines, Gas Turbines, Steam Turbines and other heat engines	Other

8-9:30 am / M108	Sloan Lubrication Systems	Mr. Eric Sloan, Mr. C.J. Sloan, Mr. Brian Sloan	Compressor Cylinder Lubrication Excellence	Auxiliary Systems
8-9:30 am / M109	Southwest Research Institute	Mr. Angel Rivera, Mr. Francisco Fierro, Ms. Sarah Simons	What? When? And Why? Types of Analyses for natural gas compressor stations	Vibration/Pulsation
8-9:30 am / M111				
8-9:30 am / M112	Bently Nevada a Baker Hughes Company and HOERBIGER	Mr. Dylan Abel, Mr. Brian Howard, Mr. John Ladd, Mr. Alex Setterfield	The Importance of Understanding Reciprocating Compressor Rod Load and Reversal	Data Analytics
9:30 AM Cup of Joe break sponsored by TBD				
10:00 AM - 11:30 AM Tech Updates Wednesday: October 1st, 2025 (10 Technology Updates - 80 Minutes) Sponsored by Sloan Lubrication Systems				
Time / Room Location	Company	Main Author	Paper Title	Track
8 min	Exline, Inc. / MMS, LLC	Mr. Bret Hightower & Mr. John Biondolillo	New Wireless Sensor Technologies	Other
8 min	Horizon Consulting	Mrs. Carol Conomos	Mainspring Energy Linear Generator, a Novel Non-Combustion Power Generation Technology	Other
8 min	Cooper Services			
8 min	Siemens Energy	Mr. Horacio Esteves & Mr. Joel Sanford	MAGNUM Plus Valve - A Valve that improves the efficiency and reliability over current valve products	Reciprocating Compressors
8 min	Southwest Research Institute	Dr. Tim Allison	CO2 Machinery R&D Capabilities	Research
8 min	Shell	Brad Jordan	Shell Rotella ELC HD and Shell Rotella ELC HD NF - Next gen extended life coolants	Reciprocating Compressors
8 min	Ariel Corporation	Mr. Jacob Shackelford	The Ariel Smart Compressor (ASC) - The Next Generation in Compression Monitoring, Diagnostics, and Data Management	Reciprocating Compressors
8 min	Cook Compression	Dr. Jie Zhou	Experimental study of composite back up ring in lubed and non-lubed condition	Reciprocating Compressors
8 min	INNO Waukesha Engine	Mr. Josh Gsell	Unlocking the Value of a Remanufacturing Program	Reciprocating Engines
8 min	Caterpillar	Mr. Will Kernan	Holistic Power Solutions for Upstream and Midstream Applications	Other
11:30 AM - 1:00 PM Exhibit Hall Lunch				
1:15 pm - 4:15 pm Short Courses Wednesday: October 1st, 2025				

1:15-4:15pm / M100				
1:15-4:15pm / M103	HOERBIGER	Mr. Randy Dal Molin	Basics of compressor valve and troubleshooting	Reciprocating Compressors
1:15-4:15pm / M104	Wood	Mr. Garth Sanders, Mr. Devin Lavoie, Mr. Chris Harper	Small bore design approaches. Your ticket to reducing small bore risk!	Reciprocating Compressors
1:15-4:15pm / M107	ACI Services; TC Energy; Ariel; Enerflex	Mr. Dwayne Hickman, Mr. Patrick Campbell, Mr. Sam Purdy, Mr. Zachary Dixon	Understanding the Plethora of Capabilities, Performance, Safety, Operational, and Process Reports for Reciprocating Compressors	Reciprocating Compressors
1:15-4:15pm / M108	Southwest Research Institute	Mr. Nahtan Poerner, Mr. Dylan Kraus	Have Sensors, Will Travel	Vibration/Pulsation
1:15-4:15pm / M111				
1:15-4:15pm / M112	IES	Mr. Jim McCarthy	Air Regulatory Update	Emissions
GMRC Annual Membership Meeting - 4:15 PM - 5:00 PM				
5:00 PM - 6:30 PM	GMC Closing Reception			