

**2007 GMRC Engine Analyzer & Reliability Workshop
July 24-26 - Nashville, Tennessee**

Tuesday, July 24

- 7:30 a.m. Continental Breakfast
- 8:00–8:10 a.m. **Greetings & Introduction to Analysis**
Gary Smith, *2007 Workshop Chairman*
- 8:10–8:30 a.m. **Practical Approach to Engine and Compressor Analysis**
Preliminaries
Getting to Know Your Engine
Mac Smith, Tennessee Gas Pipeline
- 8:30–9:30 a.m. **Analyzer Setup & Calibrations**
Noah Dixon & Greg Moosa, Williams Gas Pipeline
- 9:30–9:45 a.m. Break
- 9:45-10:15 a.m. **TDC: Setting up the Encoder**
John Clark, Columbia Gas Transmission
- 10:15-10:45 a.m. **Data Collection: Ignition**
Mitch Fuller, Windrock, Inc.
- 10:45-11:15 a.m. **Proximity Probe**
Keith Schafer, Columbia Gas Transmission
- 11:15 a.m.-12:00 noon **Data Analysis: Power Cylinder Pressure & Vibration**
Randy Anderson, ACTT, Div. of CECO
- 12:00 noon-1:00 p.m. Lunch
- 1:00-2:30 p.m. **Strategic Asset Management**
Bob Webber, Dynalco
- 2:30-2:45 p.m. Break
- 2:45-5:00 p.m. **Dial Indicators for Coupling Alignment**
Danny Holman, JW Operating Co.
- 5:00 p.m. **Adjournment & Happy Hour**

Wednesday, July 25

- 7:30 a.m. Continental Breakfast
- 8:00-8:15 a.m. **Turbochargers**
Introduction to Turbochargers
David O'Kelly, Columbia Gas Transmission
- 8:15-9:00 a.m. **Turbo Performance & Exhaust Emissions**
Jim Stobbe, Windrock, Inc.
- 9:00-9:45 a.m. **Air Mapping**
Steve Burdette, Williams Gas Pipeline
- 9:45-10:00 a.m. Break

10:00 a.m.-12:00 noon

Turbocharger Evaluations: TUMS

Kirby Chapman, Kansas State University

- Determining turbocharger health
- Pressure drop survey
- Turbo vibration
- Coast-down time

12:00 noon

Lunch

1:00 p.m.-2:30 p.m.

Emissions: What's Coming, How to Comply, What's It Mean to Me?

Gary Hutcherson, Enginuity

2:30 p.m.-2:45 p.m.

Break

2:45 p.m.-3:45 p.m.

HPFI: What Does the Data Mean?

Gary Hutcherson, Enginuity

3:45 p.m.-4:45 p.m.

Pressure Transducers

Bill Ashton, PCB

Thursday, July 26

7:30 a.m.

Continental Breakfast

8:00-9:30 a.m.

Continuous Pressure Monitoring with a Live Demo & Case Studies

Bruce Howerton, Noah Dixon & Greg Moosa – Williams Gas Pipeline

9:30-9:45 a.m.

Break

9:45 a.m.-12:00 noon

User Group Meetings

Dynalco & Windrock

12:00 noon

Adjournment