



ENGINE EMISSIONS STACK TESTING and ANALYZER WORKSHOP

September 18-19, 2024

Alegacy Equipment, LLC.

1300 Alegacy Place, Floor 2

Waller, Texas 77484

Wednesday, September 18

8:00am – 8:30am **Breakfast**

8:30am – 8:35am **Welcome & Introductions**

Carol Keith, SGA Introduce Instructors & Safety moment

8:35am – 9:50am **Introduction to Engine Testing and Alegacy Tour**

Opening remarks- Don Ray, VP of Sales- Alegacy Equipment, LLC.

10:00am– 11:45am **Catalyst 101: Technology and Practice**

Mike Werner, Catalytic Combustion Inc.

11:45am – 12:30pm **Lunch**

12:30pm – 3:20pm **Emission Data Interpretation & Calculations**

Tom Graham, Air Hygiene University

3:20pm – 3:30pm **Break**

3:30pm - 4:30pm **Engine Emissions Terms**

Current Waukesha Engine Emissions Levels

Waukesha Series 5 VHP Engine

Patrick Clophus, Waukesha-Pearce Industries, Inc.

5:30pm - 7:00pm **Dinner Reception Hosted by ECOM & Testo**

Cedar Creek Salon/BBQ FM 362 Waller, TX 20727

Thursday, September 19

8:00am – 8:30am **Breakfast**

8:30am – 12:00pm **Use of a Portable Emissions Analyzer for Compliance Testing & Engine Diagnostics**

(Break will be built in.) *Tom Graham, Air Hygiene University*
Jordan Love, Testo
Nick Orvis, ECOM America

12:00pm – 12:45pm **Lunch**

12:45pm – 2:00pm **Portable Analyzer Field Test**

Jordan Love, Testo
Larry Bines, Testo
Nick Orvis, ECOM America
Tom Graham, Air Hygiene University

2:00pm-2:10pm **Break**

2:10pm -3:40pm **Basics of AFR Control and AFR2**

Waukesha EngineCalc Demo

Waukesha emPact Catalyst Option slide show

Patrick Clophus, Waukesha-Pearce Industries, Inc.

3:40pm **Closing**

Carol Keith, SGA