

Phase Technology Professional Technician Training Agenda

Day One

- I. **Welcome & Introduction**

- II. **The Science Of Cold Flow Properties Testing**
 - a. Pour, Cloud and Freeze Point – What Are They?
 - b. Phase Technology's ASTM Methods

- III. **70Xi Analyzer Operating Procedures**
 - a. Analyzer Systems Overview
 - b. Installation, Connection & Start-up
 - c. Analyzers Control Panel & Settings
 - d. Analyzer Options
 - e. Running Tests
 - f. Data Gathering, LTB, USB
 - g. Favorites, Trend Graphs, Intellinostics

- IV. **Sample Preparation & Handling**
 - a. Sample Preparation
 - b. Pipetting Techniques
 - c. Use of DrySac
 - d. Analyzer & Sample Storage Recommendations

- V. **Maintenance Procedures**
 - a. Cleaning Between Tests
 - b. Replacing Dessicant
 - c. Replacing O-Ring
 - d. Replacing Purge Pump

- VI. **Hands-On User Training:**
Analyzer Operation & Test Runs
 - a. Pipetting Samples
 - b. Running Sample Tests

- c. Adding/Deleting Favorites
- d. Programming Sample Result Limits
- e. Generating QC and Trend Graphs
- f. Plot and Diagnostic File Retrieval via USB
- g. Replacing Desiccant
- h. Lid O-Ring Replacement
- i. Purge Pump Replacement

VII. Hands-On User Training:

Troubleshooting & Plot Analysis

- a. Troubleshooting Common Error Messages
- b. Interpreting Phase Plots & Test Results

Day Two

VIII. Hands-On User Training:

Peltier Cooler Replacement Procedure

- a. Instruction on TEC replacement procedure
- b. TEC replacement hands-on

IX. Hands-On User Training:

Troubleshooting & Issue Resolution

- a. "Optics Failure"
- b. "HS overheat"
- c. "No purge"
- d. "No sample flow"

X. New Products

- a. JFA-70Xi Jet Fuel Analyzer
- b. WAT-70Xi Crude Oil Analyzer

XI. Service & Support

XII. Course Review & Exam

XIII. Closing Roundtable Discussion

XIV. Awarding of Professional Technician Certificates