



Technical Training – Week 38

(17.09. – 19.09.2024) at MOTORTECH Americas

SCHEDULE MODULE 1 Day 1. 17.09.2024

8:30 – 8:40 Welcome

8:40 – 9:10 Introduction to the Company

Introduction to Gas Engine Technologies

9:20 – 10:50 General interaction between gas and engine as a propulsion fuel

- ▶ Gas types
- ▶ Gas production

11:00 – 12:15 Gas quality

- ▶ Interaction components
- ▶ Gas treatment
- ▶ Gastrain / zero pressure regulator

12:15 – 12:45 Lunch

Introduction to the MOTORTECH Product Range

12:45 – 14:50 Basic overview of the MOTORTECH MIC500 ignition control technology

- ▶ Triggering / pickup
- ▶ MIC500 – MIC4 differences

15:00 – 16:30 Overview of the MOTORTECH Product Range

- ▶ Ignition systems / AlphaRail wiring rails
- ▶ Engine modifications
- ▶ Ignition coils
- ▶ Spark plug leads
- ▶ Spark plugs
- ▶ Tools and test equipment with practical application

SCHEDULE MODULE 2 Day 2. 18.09.2024

8:30 – 10:10 MIC Ignition Controllers

- ▶ MIC3+ / MIC4 / MIC5
- ▶ Set-up and functionality of the ignition control units

10:20 – 12:15 MIC Ignition Controllers

- ▶ MIC3+ / MIC4 / MIC5
- ▶ MICT programming software with application examples

12:15 – 12:45 Lunch

12:45 – 15:00 MIC Ignition Controllers

- ▶ MIC3+ / MIC4 / MIC5
- ▶ Practical product training using the engine simulator

15:10 – 16:30 MIC Ignition Controllers

- ▶ MIC3+ / MIC4 / MIC5
- ▶ MICT programming software with application examples
- ▶ Practical product training using the engine simulator
- ▶ Possible pickup errors
- ▶ Application notes pickup

i For the practical exercises it is necessary that each participant brings a laptop.

**SCHEDULE MODULE 3** Day 3. 19.09.2024

- 8:30 – 11:30 VariFuel2, VariStep and VariStep3
- ▶ Set up and functionality
 - ▶ MICT programming software
 - ▶ Zero adjustment and belt tension
 - ▶ Gas train requirements
 - ▶ Examples of the structure
 - ▶ Troubleshooting
- 11:30 – 12:15 Mixture control
- ▶ Lean burning / fat burning
 - ▶ Control of exhaust gas and combustion chamber temperature
- 12:15 – 12:45 Lunch
- 12:45 – 14:00 Mixture control
- ▶ Lean burning / fat burning
 - ▶ Control of exhaust gas and combustion chamber temperature
- 14:00 – 15:00 ITB – Throttle body with integrated stepper motor and SC100 speed controller
- ▶ Set-up and functionality
 - ▶ Interaction and integration
 - ▶ Troubleshooting
- 15:00 – 15:30 EmCon5
- ▶ Mode of action and function
 - ▶ Interaction and integration
 - ▶ WinScope software with application examples
- 15:30 – 16:30 DetCon20 Detonation Control System
- ▶ Set up and function
 - ▶ Interaction and integration
 - ▶ DetCon application notes for ignition control unit

i For the practical exercises it is necessary that each participant brings a laptop.

Price for 3 days training is \$960 per person (8 participants or more are required).
(includes training materials, lunch, hot and cold beverages)

Training location is as follows:

MOTORTECH Americas LLC
1400 Dealers Ave. Ste A
US LA 70123 New Orleans
United States of America
Registration, please send to:
training@motortech.de

i More details about our training and participation conditions are available for download at www.motortech.de