



Wyoming Pupil Transportation Association

2019 Mechanics' Workshop

June 10th-11th-12th, 2019
Casper, Wyoming

Sharron D. Nichols Auditorium Casper College

WPTA has teamed up with Cummins Rocky Mountain Region to offer this upcoming Insite/Aftertreatment Certification two day training course. This Cummins Certification Course is being provided exclusive for WPTA Members at the 2019 Annual Mechanic Workshop at a WPTA discounted price of \$300.00 with 70 registrations. Participants who attend this workshop will satisfy the formal training requirement of the Wyoming Department of Education and also will receive a Cummins 2 day Certification. This two and a half day workshop will also include a roundtable discussion focusing on issues related to maintaining equipment. This will also allow Mechanics to attend the Mountain Driving Training on Monday if desired.

2019 WPTA Mechanics Workshop will be billed based on participant numbers

- Two Day Class
- Course Fee
 - \$395 25-39 participants
 - \$350 at 40 participants
 - \$300 at 70 participants
- WPTA registration fee \$0
- WPTA will provide meals and miscellaneous expenses

Course is designed to-

- Help attendees increase their skills and knowledge around how to use Cummins' electronic tools (INSITE and Quick Serve Online)
- Provide attendees with a strong familiarization of Cummins' aftertreatment systems
- Allow time for attendees to ask questions and obtain real-time answers/advice from an expert



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Agenda:

Monday

1:30-2:30 Registration
2:30-5:00 Mechanic Round Table Special Event
5:00-6:00 Tailgate Dinner

Tuesday

Cummins Certification INSITE/QSOL Training Day 1

7:00-8:00 Registration
8:00-6:00 INSITE is a Windows software application that works with Cummins electronic control modules (ECMs) to diagnose and troubleshoot engine problems, store and analyze historical information about an engine, and modify an engine's operating parameters. Upon completion of this course, the student will be familiar with navigation of all toolbar button, menu commands and general settings. Initial set up, functionality and utilization of available tests, features and task wizards will be covered on a wide range of product using an Insite simulator.

The necessary instruction needed to achieve full utilization of Insite, such as advanced hands on troubleshooting techniques and fault analysis will be covered on Insite simulator. The class covers data extraction, file type conversion, file analysis using Excel, and ECM calibration (if applicable). Several useful additional tools such as Update Manager, Fault viewer, Image Analyzer, Electrical Connector Database and Quick serve Online will be discussed as well.

11:00-1:00 Vendor Show and Lunch (sponsored by Cummins)

Wednesday

Cummins Certification Emissions, Aftertreatment/EGR Day 2

7:00-8:00 Check-In
8:00-5:00 This portion of the course will cover familiarization of combustion air handling, review principles of cold side EGR, and describe the reasons for the Aftertreatment and SCR Catalyst Systems. Theory of operation, tooling and system diagnostics will be covered in the classroom. Upon completion the student will be able to:

- Understand EGR, VGT and Aftertreatment theory
- Identify EGR, VGT and Aftertreatment components
- Understand component functions, and describe system flows

12:00-1:00 Lunch

- **Who Should Attend: Wyoming School District** Mechanics, helpers, parts techs and professionals who are responsible for repair and maintenance of pupil transportation Please register at www.wpta.net or questions please call Syd Webb 307-253-5283