



CATEGORY: Technical Publications

PART NUMBER: N/A

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ROUTE: Distributor/End User

PRODUCT APPLICABLE TO:

TEST METHOD:

F-1/F-2 Combination

D 2699, D 2700

F5 Cetane

D 613

Supercharge

D 909

Accessories

Tools

Technical Publications

SUBJECT:

2023 CFR End User Training Class Schedule *This schedule is for end users. If you wish to schedule training for distributor technicians, please contact Service@cfengines.com for availability.*

CFR Engines Inc. is excited to provide you with an End User training class schedule for the 2023 season. All classes are given at the CFR facility in Pewaukee, Wisconsin. The classroom contains two fully functional engines (Octane and Cetane) for operational training as well as a wide array of tools and components for maintenance and operational training.

Hotel Accommodations: All students must make their own hotel reservations. A list of partner hotels, their discounted rates and contact information can be found at the end of the bulletin. It is the student’s responsibility to provide their own transportation to and from CFR, the hotel and the airport.

Classes will be held based on the attendance of at least 5 students. Classes that do not have sufficient attendance will be moved to the next available date or attendees have the option to cancel. Decisions on cancelling due to lack of attendance will be made 60 days prior to the start of class. We suggest all attendees purchase refundable tickets in the event a class is cancelled.

2023 CFR End User Training Class Schedule

DATE	COURSE
March 20-March 23, 2023	Octane Maintenance
April 24-April 27, 2023	XCP Octane Operations
May 15-May 18, 2023	Octane Maintenance
May 22-May 25, 2023	Crankcase Overhaul
June 26-June 29, 2023	XCP Octane Operations
September 18-September 21, 2023	Octane Maintenance
September 25-September 28, 2023	Crankcase Overhaul
October 16-October 19, 2023	Cetane Maintenance
October 23-October 26, 2023	XCP Cetane Operations



General Overview

- Extensive hands-on experience will be provided to all students in each of the classes. Students are encouraged to actively participate in the course and ask questions to promote a better understanding of the material.
- Each student will receive supplemental training materials for use during the class and to take back to the workplace. These include the latest version of the CFR-related ASTM test methods, CFR training class material, associated CFR Operations and Maintenance Manual, CFR Tool Catalog and CFR product brochures.
- Students will be given a test at the end of each class to validate their understanding of the material presented. All students will earn **“Attended”** status with completion of the class and/or test for the class. Students will be required to complete the examinations at the end of each class without the use of materials, basic notes, or assistance from others. **NOTE: “Attended” certification does not provide individuals factory authorization to perform maintenance, warranty, or service outside of their immediate company or allow representation of CFR Engines Inc. in anyway. “Factory Certification” can only be obtained through a CFR distributorship with CFR Engines Inc. CFR distributors are the only factory authorized entities to provide genuine CFR service, maintenance, and warranty.**
- Students will receive a Certificate of Attendance for the 32 hours they spent in class.
- Each class begins on Monday and is scheduled for 4 days with a course examination occurring Thursday afternoon. Monday through Thursday classes start at 8:30 a.m. and end at 4:00 p.m. The student’s travel plans should be arranged to accommodate this schedule.
- Lunch and refreshments are included in the cost of the class.
- **MANDATORY:** All students are required to wear safety glasses with side shields and safety shoes during hands-on training. We encourage them to bring their own personal safety equipment for comfort and convenience. Shorts, sandals, and open toe footwear will **NOT** be permitted. Appropriate casual attire is required. NOMEX and/or fire-retardant clothing is **NOT** required.



Registration, Fees, Cancellations and Purchase Orders

- All registrations for the 2023 CFR End User Training should be conducted through your local CFR Engines Inc. authorized distributor.
- The fee for each class is per student plus an additional administrative fee by the supporting distributor. This fee covers 4 days of instruction, all supplemental training materials, final exam and lunch each day of class. **This fee does not cover travel and living expenses, which are the sole responsibility of the student.**
- Reservations must be cancelled, in writing, at least 60 days prior to start date of the class session, or full payment for the class will be required.
- A minimum of five (5) students will be required to hold a class, however, CFR may make exceptions to either hold the class or move enrollment to the next available class or cancel. Upon notification of cancellation, students will have the choice of withdrawing from the class or being rescheduled to the next available class of their choice. Substitutions, if available, will be accepted. Enrollment for each class will be reviewed 60 days prior to the scheduled start date.
- CFR suggests all attendees purchase refundable airline tickets in case class is cancelled.
- Purchase orders
 - A purchase order is required for all attendees, no later than 30 days prior to the class. Please include the following on your PO:
 - the participant's full name
 - name of the class(es)
 - date of the class(es)
 - Your PO will be held until we bill you, after the class takes place
 - One purchase order for all attendees in the same class is acceptable

For any additional questions related to CFR training, concerns, comments or to cancel class registration, please contact your sponsoring distributor or you can contact us at Service@cfrengines.com



Overview of Class Offerings

XCP Octane Operations: This class is designed for lab personnel who need knowledge of the basic function and operation of the CFR Octane Rating Units that utilize the new XCP panel technology and a better understanding of the ASTM Research and Motor test methods.

Octane Maintenance: This class is designed for CFR personnel who need further knowledge of, and experience with, overhaul of the CFR Octane Rating Unit cylinder, clamping sleeve and carburetor. Prerequisite: Students taking this class should already have taken Octane Operation or should have some knowledge of the operation of the CFR Octane Rating Unit according to the most current ASTM Methods D2699 and D2700.

XCP Cetane Operations: This class is designed to CFR personnel who need additional knowledge of the basic function and operation of the CFR Cetane Rating Unit and information on the latest D613 test method.

Cetane Maintenance: This class is designed for CFR personnel who need knowledge and experience concerning the top-end overhaul. Prerequisite: Student taking this class should already have taken XCP Cetane Operation or should have some knowledge of the operation of the F5 Cetane Diesel Rating Unit according to the most current ASTM Method D613.

Crankcase Overhaul: This class is designed for more experienced CFR product maintenance personnel, who need additional knowledge and understanding of the requirements for complete overhauling of a CFR-48 crankcase. Prerequisite: Students taking this class should already have taken both an Operation and Maintenance course for any of the CFR units respectively. In addition, it is highly recommended that students also have some basic knowledge and understanding of micrometers and precision measurement tools for this course.

F4 Supercharge Operation and Maintenance: Please contact your local distributor for more information.

CFR is also able to offer customer onsite classes custom fit to your needs, including legacy unit training. Please contact Service@cfrenjines.com for more information.



Name	Distance from the office	Address	City	State	Zip Code	Phone	Reservations
Doubletree by Hilton Milwaukee Brookfield – CFR corporate rate of \$109/night & breakfast included	3.7 miles	18155 W. Bluemound Road	Brookfield	WI	53045	1.262.792.1212	Book online
Holiday Inn Express & Suites Milwaukee Brookfield – CFR corporate rate of \$104/night & breakfast included	4.2 miles	115 Discovery Drive	Brookfield	WI	53045	1.262.214.5600	Book online
Fairfield Inn & Suites Milwaukee Brookfield – CFR corporate rate of \$114/night & breakfast included	4.3 miles	135 Discovery Drive	Brookfield	WI	53045	1.262.205.4450	Book online
Hilton Garden Inn Milwaukee Brookfield Conference Center – CFR corporate rate of \$129/night .	5.4 miles	265 South Moorland Road	Brookfield	WI	53005	1.262.330.0800	Book online

Best regards,
Daniel A Bemis

Global Service Manager
CFR Engines Inc.