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## January 17, 2014 – 2014 CFR Training Schedule (updated for rescheduled/cancelled classes, October 8, 2014)

Waukesha CFR Engines, Inc. is pleased to announce the 2014 CFR training schedule.

In this announcement you will find:

- A summary of what's new for 2014
- A complete class schedule.
- All the information you need to register.
- A brief description of the content of each class on Page 3 of this announcement.

### NEW in 2014

- **New XCP Octane Operation Class. This class will replace the previous Octane Operation Class which focused on the Legacy 501-C analog instrument panel.** There will be no more classes given on the Legacy 501-C panel. Each XCP Operation Class will cover the following topics:
  - An in-depth look at the parts and function of the new XCP Panel.
  - Software navigation.
  - Safety aspects of the new XCP panel.
  - Hands-on operation of all procedures including equilibrium, falling level, compression ratio and auto analyzer.
  - Discussion of ASTM methods D2699 and D2700.
- **Site-specific training for this new class can be requested from GE's Waukesha gas engines. Please contact Dan Bemis at (262) 271-5064 (mobile) for more information.**

### Registration for 2014 CFR Courses

All registrations for any of the 2014 CFR classes should be conducted through your local authorized CFR distributor, Compass Instruments, at:

Compass Instruments, Inc.  
1020 Airpark Drive  
Sugar Grove, IL 60554  
Janice Blaser, 630.556.4835 x5554  
[JMBlaser@Compass-Instruments.com](mailto:JMBlaser@Compass-Instruments.com)

A purchase order or a credit card is required at time of registration. A registration form is on Page 4.

Students will be given a test at the end of each class attended. A student must score 80% or better to earn "factory trained" status. Students who have attended the whole course but score below 80% will be given the status of "attended." Students will be required to complete the examinations at the end of each course without use of materials, basic notes or assistance from others.



2014 CFR Training Schedule and Registration	
October 27 – 31	Octane Maintenance
November 10 – 14	Crankcase Overhaul
November 17 – 21	<b>XCP Octane Operation (NEW)</b>

## General Overview

All courses listed in the schedule are conducted at GE’s Product Training Center in Waukesha, WI. This facility is fully equipped with an F1/F2 CFR Combination Research / Motor Method Octane Rating Unit, an F5 CFR Cetane Method Diesel Fuel Rating Unit, FIT Unit, a full range of maintenance tools/equipment and modern classrooms with complete audio/visual capabilities.

Extensive hands-on experience will be provided to all students in each of the courses. 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 course and to take back to the workplace. These include the latest version of all CFR related ASTM test methods, CFR Training Course Manual, CFR Operations and Maintenance Manual, CFR Tool Catalog, copies of all power point slides presented during the course, and Waukesha CFR product brochures.

Each course starts on Monday and is scheduled for 4.5 days with Friday being a half-day for the test. Classes start at 8:30 a.m. and end at 4:00 p.m. The student’s travel plans should be arranged according to this schedule. Students will be returned to the hotel at noon Friday or earlier depending on the time needed for the test.

Every effort will be made to fulfill schedule training deliveries. However, GE’s Waukesha gas engines reserves the right to make any schedule changes which, in our opinion, are necessary to preserve the quality and integrity of a class. **A minimum of five (5) students will be required to hold an individual class. Enrollment for each class will be reviewed 60 days prior to the date it will be held. If it is determined that there are not at least five participants, the class will be canceled and enrollees will be notified. Upon notification, 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.**

**Reservations that are NOT cancelled in writing at least 70 days prior to the starting date of the course will result in a full charge for the course fee.**

**MANDATORY:** All students are required to wear safety glasses with side shields as well as safety shoes during hands-on training and are encouraged 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 recommended. NOMEX and or fire retardant clothing is not required.

## Course Fee

The fee for each training course is \$1,800 per student. This covers 4.5 days of instruction, all supplemental training materials, and lunch each day of the course. This fee does not cover travel and living expenses, which are the sole responsibility of the student.

## Cancellation

**Reservations not cancelled in writing at least 70 days prior to the starting date of the course will result in a full charge for the course fee. Substitutions where available are accepted.**



## Hotel Accommodations

Waukesha has arranged a special rate (GE Energy Waukesha) at the Wildwood Lodge in Pewaukee, WI for students attending CFR training courses. The hotel will provide free transportation to and from Mitchell International Airport in Milwaukee and daily transportation between the hotel and the Waukesha Product Training Center.

A reservation at the Wildwood Lodge can be automatically made when you register for a class.

Check the appropriate box on the Registration Form.

Wildwood Lodge Lake Country (formerly the Comfort Suites Lake Country)

N14 W24121 Tower Place, Pewaukee, WI 53072

(262) 506-2000 or (888) 506-2005

<http://www.thewildwoodlodge.com/pewaukee/>

Overview of Class Offerings	
<b>(NEW) XCP Octane Operation</b>	This course 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.
<b>Octane Maintenance</b>	This course is designed for CFR personnel who need further knowledge and experience concerning overhaul of the CFR Octane Rating Unit cylinder, clamping sleeve, and carburetor. <i>Prerequisite:</i> Students taking this course 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.
<b>Cetane Operation</b>	This course is designed for CFR personnel who need additional knowledge of the basic function and operation of the CFR Cetane Rating Unit and coverage of the latest D613 test method.
<b>Cetane Maintenance</b>	This course is designed for CFR personnel who need knowledge and experience concerning the top-end overhaul. <i>Prerequisite:</i> Students taking this course should already have taken 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.
<b>Crankcase Overhaul and Maintenance</b>	This course is designed for more experienced CFR maintenance personnel who need additional knowledge and understanding of the requirements for overhauling a CFR-48 crankcase. <i>Prerequisite:</i> Students taking this course 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 understandings of micrometers and precision measurement tools for this course.
<b>F4 Supercharge Operation &amp; Maintenance</b>	Please contact Dan Bemis for more information. Office - (262) 650-5603, mobile (262) 271-3694 or by e-mail <a href="mailto:Daniel.Bemis@ge.com">Daniel.Bemis@ge.com</a> .



## 2014 CFR Training Registration Form (required information)

**Name** \_\_\_\_\_

**Date of Birth** \_\_\_\_\_ **Shirt Size** \_\_\_\_\_

**Title** \_\_\_\_\_

**Company** \_\_\_\_\_

**Address** \_\_\_\_\_

**City, State ZIP** \_\_\_\_\_

USA       Canada

**Email** \_\_\_\_\_

**Phone** \_\_\_\_\_

**Fax** \_\_\_\_\_

**Purchase Order or CC** \_\_\_\_\_

**If CC, Cardholders Name** \_\_\_\_\_

**Expiration Date** \_\_\_\_\_ **Security Code** \_\_\_\_\_

- By checking this box, you confirm that the registrant who will be trained by Dresser Waukesha does not have citizenship or residence with, employment by any company of, or intention to use knowledge from training at Waukesha for, any of the following countries: Cuba, Iran, Myanmar (Burma), North Korea, Sudan or Syria.
- Check this box if you have ever attended a previous CFR Training Class (existing student)?

**Course Selection**

- XCP Octane Operation:**       November 17 – 21
- Octane Maintenance:**       October 27 – 31
- CFR Crankcase Overhaul:**       November 10 – 14

**Hotel Reservations and Room Preferences**

- Check this box to automatically have a reservation made at the Wildwood Lodge, Pewaukee. Reservations are made arriving the day before the class and departing the next day after the class.  
**Room Preference:**     Non-Smoking Room     Smoking Room
- Do not make a hotel reservation. I will make my own hotel arrangements.

**Travel Arrangements (may be submitted after registration)**

Airline	Arrival Date and Time	Departure Date and Time

Fax this completed form to Janice Blaser at Compass Instruments, Inc., 630.556.3679.