

Consumer and Commercial Power Generation

2007-08Q RV Gas Skills

This course includes familiarization of RV Gensets, Advantage, MicroLite, Marquis, Marquis Gold, Marquis Platinum and Equinox. The course focuses on basic theory, troubleshooting and repair, operation, and maintenance. Class will include a practical assessment for qualification.

Prerequisites: Basic working knowledge of AC/DC electrical theory and fundamentals. Basic knowledge of gasoline maintenance, troubleshooting and repair. Completion of the following PowerGen University basic courses:

- CST0584 Basic Electrical
- CST0585 Basic Power Generation
- CST0586 Basic Mechanical (Gas & Diesel)
- CST0587 RV Basic Installation
- CST0685 RV QG (Single Cylinder, Gas & Propane)
- CST0673 RV QG (Two Cylinder, Gas & Propane)
- CST0122 RV Inverter/Charger

Class Size: 8

Days: 2

Cost: \$450

2007-10Q RV Diesel Skills (Part 1 of 3)

This course includes familiarization of RV Gensets, Quiet Diesel and Equinox. The course focuses on basic theory, troubleshooting and repair, operation, and maintenance. Class will include practical assessments for qualification.

Prerequisites: Basic working knowledge of AC/DC electrical theory and fundamentals. Basic knowledge of gasoline and diesel maintenance, troubleshooting and repair. Completion of PowerGen University basic RV courses:

- CST0584 Basic Electrical
- CST0585 Basic Power Generation
- CST0586 Basic Mechanical (Gas & Diesel)
- CST0587 RV Basic Installation
- CST0122 RV Inverter/Charger
- CST0671 RV Quiet Diesel

Class Size: 8

Days: 2

Cost: \$450

2009-28Q Hybrid Quiet Diesel HQD (Part 2 of 3)

This course is designed to introduce technicians to the Hybrid Quiet Diesel Power System. The technician will learn about this new concept and system operation, including power unit, inverter and transfer switch. This course also includes operation, maintenance, installation and troubleshooting of the system.

Prerequisites: Completion of the RV Diesel Skills course (2007-10Q Part 1 of 2). Completion of the following PGU Courses:

- CST6018 RV Hybrid Quiet Diesel
- CST6029 InPower Onan
- CST6007 Advance Electrical

Class Size: 8

Days: 3

Cost: \$675

Cummins Course Descriptions

2009-26Q RV3.2 Quiet Diesel (Part 3 or 3)

This course includes familiarization of the RV3200 QD Genset. The course focuses on basic theory, installation, operation, troubleshooting and repair. Class will include practical assessments for qualification.

Prerequisites: RV Diesel Skills Qualification
CST6030 RV 3200 Quiet Diesel

Class Size: 8

Days: 2

Cost: \$450

2007-16/18Q Commercial Mobile Hydraulic Generator

Course includes but not limited to the familiarization of Hydraulic Generator operations and PTO Pumps, Eaton and Saur Danfoss operations. The course focuses on electrical safety, basic installation, theory of operation, preventive maintenance, troubleshooting techniques and maintenance repair procedures. Class will include a practical assessment for qualification.

Prerequisites: Basic working knowledge of AC/DC electrical theory and fundamentals. Basic Hydraulic maintenance, troubleshooting and repair. Completion of PowerGen University courses:

- CST0584 Basic Electrical
- CST0585 Basic Power Generation
- CST0586 Basic Mechanical (Gas & Diesel)
- CST6007 Advance Electrical
- CST6022 Basic Commercial Mobile Installation
- CST0685 RV & Commercial QG (Single Cylinder, Gas & Propane)
- CST6073 RV & Commercial Mobile QG (Two Cylinder, Gas & Propane)
- CST6023 Commercial SD (Standard Diesel)
- CST0671 RV & Commercial Mobile Quiet Diesel
- CST6024 Commercial HG (Hydraulic Generator)
- CST6025 Commercial Protec PTO
- CST6111 Commercial Mobile 205w CMSD Familiarization

Class Size: 8

Days: 3

Cost: \$675

Cummins Course Descriptions

2007-12/14Q Onan Marine Generator Skills

Course includes but not limited to the familiarization of Marine Generator operations for Marine Belt Drive Gasoline Units (MGK), Diesel (MDK), Marine Direct Drive Diesel Units (MDD & MDK). The course focuses on electrical safety, basic installation, theory of operation, preventive maintenance, troubleshooting techniques using electrical schematics and wire diagrams and maintenance repair procedures that are unique to marine application. Class will include a practical assessment for qualification.

Prerequisites: Basic working knowledge of AC/DC electrical theory and fundamentals. Basic gasoline and diesel maintenance, troubleshooting and repair. The ability to read and interpret Onan electrical schematics and wiring diagrams. Completion of PowerGen University basic and advance courses:

- CST0584 Basic Electrical
- CST0585 Basic Power Generation
- CST0586 Basic Mechanical (Gas & Diesel)
- CST6001 Marine Basic Installation
- CST6007 Advance Electrical
- CST6029 InPower Onan
- CST6020 Marine Product Overview
- CST6002 Marine Belt Drive Gas (MGK)
- CST6003 Marine Belt Drive Diesel (MDK)
- CST6016 Marine Direct Drive Diesel (MDK)
- CST0949 PowerGen Marine Direct Drive Diesel (MDD)

Class Size: 8

Days: 5

Cost: \$1125

2007-21Q ComfortGuard APU

This course concentrates on the installation, operation and maintenance on the ComfortGuard auxiliary power unit. Training will include theory and troubleshooting of the APU such as engine, AC alternator, and HVAC system.

Prerequisites: Completion of PowerGen University basic courses:

- CST0584 Basic Electrical
- CST0585 Basic Power Generation
- CST0586 Basic Mechanical (Gas & Diesel)
- CST6029 InPower Onan
- CST6014 ComfortGuard PGU Course

Class Size: 8

Days: 3

Cost: \$675