

# OP-40 Emergency Back-up Diesel Generator 2-Day Seminar

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**Cost:** \$425.00 includes all seminar fees and student text. (For on-site, call us for price quotes).

## **Who benefits from this course?**

OMCSI has designed this 2-Day Seminar to meet the growing need for Emergency Back-Up Diesel Generators, dual fuel applications, and environmental constraints, plus the lack of general knowledge about operating and maintaining them. In the last 10 years more and more diesel power plants have been commissioned a viable commodity of delivering electrical power. This has been done on ships, drilling rigs' gas and oil platforms for years. Presently emergency diesel generators, air compressors, pumps or drivers are used in every facet of the workplace. OMCSI not only provides training seminars based on equipment technical knowledge but our seminars place emphasis on safe operation and maintenance. This Seminar also looks at NFPA 110 and NFPA 99 requirements.

OMCSI monitors and continuously upgrades our training seminars to meet new requirement whether it be environmental or just new types of equipment. This course covers a lot of material and some pre-study will assist in the learning process. The course also instructs in areas of safety operation diesels and high compression engines and associated equipment.

**This seminar is instructed by an American Society of Power Engineers Licensed Technical Instructor. These instructors must be seasoned instructors and maintain their credentials to carry this esteemed license.**

## **Diesel Engine Licensing Outline**

- Basic Construction of a Diesel Engine
- Classification of Diesel Engines
- Major Moving Parts
- Lubricating The Engine
- Heat and Combustion
- Oil and Gaseous Fuels
- Engine Power and Fuel Consumption
- Intake and Exhaust System Scavenging
- Injection Fuel
- Burning the Fuel
- Governing
- Diesel Engine Testing, Instrumentation and Design
- High Compression Gas-Burning Engines
- Auxiliary Systems
- Operating and Maintenance
- Electric Generation & Distribution
- NAPA 110 and NFPA 99
- Mandatory Test Procedures

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