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L0-5 Third Class Diesel Plant Operator License Preparatory 4-Day Seminar

Cost: \$825.00 includes all seminar fees and student text. (For on-site, call us for price quotes).

Who benefits from this seminar?

This seminar is designed to familiarize a student with a broad knowledge base all aspects of a diesel engines. Most damage done to diesel engines is done because by the person not understanding the fundamentals of a diesel engine. This course also prepares entry level persons in the field of Power Engineering or that are required to possess a state, municipal Diesel Plant Licenses or American Society of Power Engineers Third Class Diesel Operating Engineer examination

OMCSI has designed this 4-day seminar to meet the growing need for emergency 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.

OMCSI monitors and continuously upgrades our training seminars to meet new requirement whether it be environmental or just new types of equipment. This seminar 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. Our instructors are available to work with students after class if extra help is needed.

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

- Introduction Distinguishing Features of Diesel Engines
- What A Diesel Engine Is
- Basic Construction of a Diesel Engine
- Classification of Diesel Engines
- Stationary Parts (Frame, Cylinders, and Heads
- Major Moving Parts
- Lubricating The Engine
- Basic Terms of Physics and Engineering
- 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
- Generation
- Testing for ASOPE Licensing

Scheduling of State and City Licensing Exams and consequent fees are the responsibility of the student. **ASOPE Diesel Plant Operating Engineer 3rd Class License testing is available at the end of this course for qualified individuals by request only.**

L0-5-1207