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OP41 Diesel Engine 3-Day Seminar

Cost: $500.00 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 of all aspects of a diesel engine. Most damage done to diesel engines is done by the person not understanding the fundamentals of a diesel engine. Along with growing need for emergency diesel generators, duel fuel applications, environmental constraints, and the lack of general knowledge about operating and maintaining makes this seminar a must. In the last 10 years more and more diesel power plants have been commissioned as a viable commodity of delivering electrical power. Diesel Engines are used in every aspect of production, construction, transportation or stationary use. Most common are emergency diesel generators, air compressors, pumps or drivers which 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 an abundance of material and some pre-study will assist in the learning process. The seminar also instructs in areas of safety operation of diesels, 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

- 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

OP41-1207