

Review electrical shock hazards.
Outline the proper way of handling an oil fire inside a combustion chamber.
Recognize hazards of working with fuel oil.

Analyze low voltage circuitry.
Analyze High voltage circuitry.
Draw wiring schematics.
Test a cad cell.

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Identify properties and characteristics of fuel oil.
Examine BTU firing rates.
Identify fuel supply systems.

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Identify components on a fuel oil gun burner.
Examine high voltage ignition transformers.
Examine Primary control systems.
Perform a combustion analysis.

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Compare standard air conditioning systems with heat pump systems.
Examine the four-way reversing valve.
Identify different types of metering devices.
Examine troubleshooting techniques when working on heat pumps.

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List other types of heating systems and the fuels they use.
Compare fuel costs.
Examine the environmental impact of many types of heating systems both traditional and alternative.

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