

NACT 271
Stationary Reciprocating Engines



Tentative Agenda

- 8:30 Introduction/Background
 - Applications
 - History
- 9:00 Reciprocating Engines Operating Theory
 - Spark-Ignition and Compression Ignition
 - 4-stroke cycle and 2-stroke cycle
 - Engine power
- 9:30 Air/Fuel Delivery Systems
 - Carburetors
 - Fuel Injectors
- 10:15 Emissions from IC Engines
- 10:45 Emission Control Methods
- 12:00 Lunch
- 1:00 Emission Control Methods (con'td.)
- 1:30 Regulations
 - Definitions
 - Exemptions
 - Emissions Standards
- 2:00 Inspecting Stationary Reciprocating Engines
- 2:30 Site visit
- 4:00 Final Exam and Review
- 4:30 Adjourn