
SECTION HEADING

DSL 2136: Fuel Systems Theory

Description

Fuel Systems Theory studies the theory of all mechanical fuel systems and introduces electronically controlled engines and fuel systems.

Credits

5

Prerequisite

DSL 1135

Topics to be Covered

1. Distributor and inline mechanical fuel systems
2. Combination mechanical and electronic injection systems
3. Diagnosis, service and repair of fuel systems

Learning Outcomes

1. Describe fuel control systems
2. Explain distributor and inline type pumps
3. Describe the process of the delivery of fuel from the injection system to the engine
4. Inspect engine and fuel systems to determine best methods of repair for maximum performance
5. Correlate fuel system operation and engine performance
6. Correlate governor controls and fuel system operation
7. Identify the differences in all fuel injected systems
8. Explain the evolution from the mechanical to present day high-pressure common rail

Credit Details

Lecture: 5

Lab: 0

OJT: 0