
SECTION HEADING

DSL 2150: Advanced Engine Lab

Description

Advanced Engine Lab provides hands-on shop experiences. Students will practice reconditioning of the larger and electronically controlled engines.

Credits

5

Prerequisite

DSL 1100 and DSL 1110

Topics to be Covered

1. Valve cycles
2. Large and Advanced Diesel Engine Repair
3. Large Diesel Engine Rebuild
4. Overhead Cams
5. Engine braking systems
6. Injectors

Learning Outcomes

1. Build a valve cycle
2. Disassemble and rebuild engine using the student-built cycle
3. Diagnose and repair larger engines with overhead cams and multiple valve cylinders
4. Diagnose and repair components such as engine braking systems and unit type injectors
5. Disassemble, inspect, evaluate, repair and adjust, and reassemble valve, valve train components, cylinder blocks, crankshafts, bearings, sleeves, pistons, and rings

Credit Details

Lecture: 0

Lab: 5

OJT: 0