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## SECTION HEADING

### DSL 1100: Diesel Engine Theory

#### Description

Diesel Engine Theory explains the function of the diesel combustion, chamber designs, valve train operation, rings, cylinders, pistons, crankshafts, connecting rods, and components that compliment basic engine theory.

#### Credits

3

#### Topics to be Covered

1. Diesel combustion
2. Diesel engine components
3. Diesel engine operation

#### Learning Outcomes

1. Describe diesel combustion
2. Identify chamber designs
3. Explain how a valve train works
4. Discuss the function of rings, cylinders, pistons, crankshafts, connecting rods and other components that affect the function of the diesel engine.
5. Diagnose engine related issues
6. Identify tools necessary to measure component quality.

#### Credit Details

Lecture: 3

Lab: 0

OJT: 0