

Diesel Engine Maintenance & Troubleshooting

Duration 5 Days

Introduction

This course is designed for Diesel mechanics who are looking for further instruction in troubleshooting marine diesel engine failures and diesel maintenance and repair. Participants receive both demonstration and hands-on training on working diesel engines.. They will perform many of the following maintenance and repair procedures below.

Who Should Attend

Engineers and technicians.

Course Objectives

At the end of the program participants will be able to:

- Define the fundamentals of engine and component diagnosis.
- Explain engine performance test procedures following manufacturers recommendations and safe work practices.
- Perform engine component and system failure analysis.

Course Outlines:

1. Troubleshooting

- 1.1.Failure to crank
- 1.2.Failure to fire
- 1.3.Overheating
- 1.4.Smoking (white, blue, black)
- 1.5.Misfiring
- 1.6.Knocking
- 1.7.Runaway
- 1.8.Hunting

1.9.Hydrostatic Lock

1.10. Transmission Problems

2. Maintenance

2.1.Service Cooling System

2.2.Perform Compression Test

2.3.Adjust Valve Clearance

2.4.Service/Rebuild Injector

2.5.Adjust Engine Idle & No Load Wide Open Throttle

2.6.Check Injection Timing

2.7.Engine Alignment