
SECTION HEADING

DSL 1130: Hydraulics Theory and Application

Description

Hydraulics Theory and Application discusses the principles and fundamentals of hydraulics. The student will work on various components and systems as related to diesel hydraulics within a laboratory environment.

Credits

3

Topics to be Covered

1. Hydraulic pumps
2. Control valves
3. Cylinders
4. Motors

Learning Outcomes

1. Analyze the operation different hydraulic pump's gear, piston, and vane type.
2. Troubleshoot the effect on performance of the engine dependent on operation.
3. Identify the repair necessary for proper operation of the hydraulic system.
4. Repair each type of pump.
5. Inspect and test control valves.
6. Repair a hydraulic cylinder.

Credit Details

Lecture: 1

Lab: 2

OJT: 0