

Fluid Machineries Sessional (ME-422): Ex-4 (Razzak sir)

Date: 06-08-2023

Name of the Experiment:

Performance Test of a positive displacement pump

1. Pump \rightarrow Pressure rise / Pressure energy rise
2. Two types of fluid system:
 - i) Fluid Transport System
 - ii) Fluid Power System (in this experiment)
3. Fluid Power system:
 - Pressure = $Q\gamma H$
 - Positive displacement pump
 - Inlet, outlet isolated
 - Measures in *cc/cycle*
 - Q is inversely proportional to P .
4. Piston pump (see youtube)
5. Viscous fluid \rightarrow Heat Dissipation \rightarrow Thermocouple reading