

Internal Combustion Engines Laboratory



Four stroke, twin cylinder C.I. engine set up with an hydraulic dynamometer

The Internal Combustion Laboratory has facility to conduct different tests like performance test, heat balance, friction power measurement by Morse Test, plotting the valve timing diagram, etc on different I.C. engines. To check the quality of exhaust gases coming out of an I.C. engine, an exhaust gas analyzer and a smoke meter is available in the laboratory.

The laboratory also has a two stage reciprocating air compressor on which experiments related to reciprocating air compressor are performed.

The equipments that form the I.C. Engines Laboratory are:

- Four stroke, four cylinder petrol engine
- Four stroke, single cylinder diesel engine
- Four stroke, twin cylinder diesel engine
- Two stroke, single cylinder petrol engine
- Two stage reciprocating air compressor with intercooler
- Exhaust gas analyzer for analysis of exhaust gases of a S.I. engine
- Smoke meter for exhaust gas analysis of a C.I. engine