

## FUELS & HEAT TRANSFER LABORATORY

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Fuels Lab



Heat Transfer Lab

### FUELS LABORATORY:

#### LIST OF EQUIPMENT:

1. Junker's gas calorimeter.
2. Bomb calorimeter.
3. Canradson's carbon residue tester.
4. Redwood Viscometer – 1
5. Redwood Viscometer – 2
6. Engler's Viscometer.
7. Pensky Martin [closed cup] Flash and Fire Point apparatus.
8. Cleaveland's [open cup] Flash and Fire Point apparatus.
9. Grease penetration test rig.

### HEAT TRANSFER LABORATORY

#### LIST OF EQUIPMENT:

1. Lagged Pipe apparatus
2. Thermal Conductivity for a given Asbestos Insulating powder apparatus.
3. Thermal Conductivity for a Given Copper Metal Rod apparatus
4. Pin-Fin apparatus.
5. Transient Heat Conduction apparatus
6. Forced Convection apparatus.
7. Natural Convection apparatus.
8. Parallel and Counter Flow Heat Exchanger apparatus- computer based.
9. Emissivity Apparatus.
10. Stefan Boltzmann constant apparatus.
11. Drop Wise and Film Wise Condensation apparatus
12. Critical Heat Flux apparatus
13. Composite Wall apparatus
14. Refrigeration Test Rig.
15. Air Conditioning Test Rig.