

AT8512 AUTOMOTIVE FUELS AND LUBRICANTS LABORATORY

DETAILED SYLLABUS

OBJECTIVE:

- To study the characteristics of the fuels and Lubricants used in automobile

LIST OF EXPERIMENTS

1. Study of International and National standards for fuels and lubricants.
2. Study of Octane and Cetane Number of fuels.
3. ASTM distillation test of liquid fuels
4. Aniline Point test of diesel
5. Calorific value of liquid fuel.
6. Calorific value of gaseous fuel.
7. Reid vapour pressure test.
8. Flash and Fire points of petrol and diesel.
9. Copper strip Corrosion Test
10. Cloud & Pour point Test.
11. Temperature dependence of viscosity of lubricants & Fuels by Redwood Viscometer.
12. Viscosity Index of lubricants & Fuels by Say bolt Viscometer
13. Ash content and Carbon Residue Test
14. Drop point of grease and mechanical penetration in grease.