

Laboratory of Combustion Engines Theory

Instructions for safe operation with laboratory equipment (setups)

General Regulations:

1. All exercises could start only after familiarization with this instruction.
2. Do not start lab setups without permission from the person who supervise the exercise.
3. It is not allowed to perform the exercise after drinking alcohol, taken drugs and similarly acting agents.
4. Smoking, eating and drinking are prohibited during lab exercise.
5. It is forbidden to start and operate the setup if spilled oil, water or any liquid is located on the floor around it.
6. All noticed irregularities and problems detected during setup operation must be reported to lab supervisor (instructor).

Specific Provisions:

1. It is prohibited to “power on” the electrical machines when protective shields are opened or removed as well as it is not allowed opening or removing these shields at “power on” mode,
2. Adjustment of the rotational speed of electrical machines should be done through a very slow rotation of knobs on the control panel,
3. If during the exercise, the thermal safety device would disconnect the brake machine, that will be accompanied by a rapid increase in rotational speed of the driving machine, the appropriate red button on the control panel must be immediately turned off.
4. Normal, non-emergency shutdown of the laboratory setup is carried out through the slow reduction in speed of the driving machine,
5. Values of speed and torque of the machines must be under control. It is not allowed to exceed maximum values of these parameters. Limiting values are given by the lab supervisor.