



SNS COLLEGE OF TECHNOLOGY
(Autonomous)
DEPARTMENT OF AERONAUTICAL ENGINEERING



UNIT-5

OVERHAUL PROCEDURES



SAFETY PRACTICES FOLLOWED IN PREPARATION FOR OVERHAUL OF AN ENGINE IN AN OVERHAUL SHOP

1. Arrangement of the shop should be such that crowding does not exist.
2. Materials and parts must be stored in proper racks and containers.
3. Walk ways should be painted on the floor and kept free of obstructions at all times other than equipment movement.
4. Suitable engine overhaul stands must be provided.
5. Adequate work station and bench space should be provided.
6. All machinery must be in good condition and provide with safety guards.
7. Electric equipment and power outlets must be correctly identified for voltage and power handling capability.
8. Electric outlets must be designed so that it is not possible to plug in equipment other than designed for the voltage and the type of current supplied at the outlet.



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9. Adequate lighting must be provided for all areas.
10. Cleaning areas must be adequately ventilated to remove all dangerous fumes from solvents, degreasing agents, and volatile liquids.
11. Proper engine hoisting equipment must be available for engine lifting.
12. Operators should wear safety shoes to prevent injuries to their feet incase heavy equipment or parts are dropped.
13. Operators of lathes, machine tools, drills, and grinders must wear safety goggles.
14. Operators of cleaning equipment must wear protective clothing, rubber gloves, and face shields.
15. The floor of the shop should have a surface which does not become slippery.
16. Grease, oil and similar materials should be removed from the floor immediately after they are spilled.



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17. Proper type of fire extinguishers should be available to the shop personnel.
18. Personnel should take care to stay clear of an engine which is being hoisted except as necessary to prevent it from swaying or turning.
19. All areas must be kept free of sand, dust, grease, dirty rags, and other types of contaminants.
20. Greasy or oily rags must be stored in closely covered metal cans.
21. Flammable liquids must be stored in an approved fire proof area.
22. The area where engines are run should be paved and kept free of debris which could be picked up by air currents caused by a propeller or jet intake.