



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

COIMBATORE-35.



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Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai.

DEPARTMENT OF AUTOMOBILE ENGINEERING

COURSE NAME : 19AUB304 – VEHICLE MAINTENANCE AND RECONDITIONING

III YEAR /VI SEMESTER

Unit 1- MAINTENANCE OF RECORDS AND SCHEDULES

Topic : Requirements and Importance of Maintenance



MAINTENANCE



- Maintenance is the routine repairing work, required to keep the vehicle in good condition so that it can be utilized for designed capacity and efficiency.
- Repair is the restoration of the vehicle to a condition substantially equal to its original condition by changing Parts (or) by reconditioning it.
- Vehicle maintenance and servicing is carried out when the vehicle completes certain kilometres on its normal running or when the vehicle does not give proper performance.



MAINTENANCE



- Every new vehicle comes with a vehicle maintenance manual. The owner of the vehicle is expected to read and use this manual, as it mentions vehicle maintenance Introduction to Vehicle Maintenance and Servicing 157 tips during driving. It has been noticed that after getting a car or vehicle, the owners do not care much about a regular car or vehicle maintenance.
- Even if the owners regularly service their vehicle, the vehicle maintenance tips given in the vehicle maintenance manual increases the longevity or life of the vehicle to a great extent.
- Vehicle maintenance and servicing is carried out when the vehicle completes certain kilometres on its normal running or when the vehicle does not give proper performance.



REQUIREMENT OF MAINTENANCE



- The servicing of the automobile has also changed greatly to keep in step with the engineering advances of the industry. The tools and equipments which the early mechanic used were poor compared to today's standard, and in many cases were made by the mechanic.
- Today's automotive mechanic is well trained and works in a clean, bright, well-ventilated, specially designed automotive service centre. A thorough knowledge of the parts and understanding of the mechanisms are essential in order that faulty conditions in any part of automotive mechanism may be detected and corrected. As a result, the mechanic must possess the knowledge, skill, and experience in this field to be successful



REQUIREMENT OF MAINTENANCE



- To keep the vehicle available for protective work for maximum period.
- To extract optimum life for the vehicle.
- To get maximum utilization of vehicle at minimum cost.



IMPORTANCE OF MAINTENANCE



- To avoid breakdown of the vehicle.
- To increase the life time of the working components.
- To reduce unwanted expenses on Breakdown.





OPERATION MAINTENANCE



- Daily maintenance by the operator for proper running of the vehicle is known as operation maintenance.
- It is needed to keep the vehicle in proper working condition. Tire inflation, battery, brakes, clutch, smoke color, starting system, ignition system and lights are checked in this maintenance daily.



REFERENCE



❖ <https://tejasnikumbh.com/types-of-maintenance-in-automobile/>



THANK YOU !!!