



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

COIMBATORE-35.



Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A++' Grade
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 : Inspection schedule



Daily Maintenance



- Clean vehicle
- Check engine oil level and top up if necessary
- Check radiator water level and top up
- Inspect tyre for normal pressure and ensure that no tyre is fist
- Check for fuel in tank
- Check up whether light and electrical accessories are functioning well
- Check up brake for normal functioning
- Start engine and check up performance



Weekly Maintenance



- Check electrolyte level in battery and add distilled water if necessary
- Clean battery terminals and apply vasoline to prevent corrosion
- Check tyre pressure and inflate if necessary to correct pressure
- Check brake fluid level and top up if necessary
- Check tyres for abnormal wear. If abnormal wear is noticed check wheel alignment, chamber etc.
- Wash vehicle with water mixed with detergent or with soap water.
- Check oil leak if any from engine, transmission and differential and arrange to rectify.
- Clean plays and refit if the vehicle is petrol driven



Weekly Maintenance



- Tighten joint belts and axle bolts.
- Tighten spring and shackle bolts and nuts if necessary
- Adjust fan belt play if necessary.
- Check up water pump grease cup and repack, if necessary
- Check whether Dynamo is functioning well. Adjust regulator if necessary.
- Check oil in steering box gear box and differential and top up if necessary.



Monthly Maintenance



- Service vehicle at appropriate data
- Check up and adjust free ply of brake
- Check up and adjust free ply of clutch
- Soap wash vehicle, polish if the vehicle is station wagon.
- Change engine oil at appropriate mileage.
- Check up and tune up vehicle (minor) petrol driven
- Tighten engine gear box and body mounting bolt.
- Remove all the wheels, check brake drums, brake linings, change brake linings and turns up brake drums if necessary.
- Examine all wheel bearings for what before refitment.
- Remove old grease and repack with fresh grease.



Quarterly Maintenance



- Tighten body bolts and change packing if necessary
- Blow and adjust brakes
- Carry out engine tune up if petrol driven vehicle
- Check up pedals side play and rectify
- Check up and renew engine counting beds
- During service, remove and clean shackle pin if necessary.
- Check up steering linkages and play and adjust if necessary
- In case of diesel engines overhaul injectors, besides the above items of wash, all the items mentioned in the monthly maintenance schedule should be carried out during quarterly maintenance also.



Half yearly maintenance or fitness certificate work



- Remove gear box and Check differential
- Overhaul all four wheel brakes and the Universal joints
- Top over haul engine end decarbonizes
- Over haul carbonator and Overhaul water pump
- Overhaul dynamo and self starter
- Overhaul exhauster or air compressor
- Check all wirings and switches
- Carryout body repairs, including linear work
- Repaint vehicles, if lorry or van.



THANK YOU