

CARIBBEAN VOCATIONAL QUALIFICATION

ROS: Motor Vehicle Engine Systems

Unit: ASREMS0021A

Service engines and associated engine components

Engine Oil Change

Answer Key

Time: 45 minutes

Instructions:

- Read each question carefully and provided responses to each.
- When you are complete, compare your responses to the answers on the answer sheet.

Answer Key:

1.
 - a) Why do we change the engine oil in our vehicles?
Oil lubricates the engine and absorbs heat, allowing the internal parts to work together effectively without overheating. Over time, engine oil breaks down and wears out. When it does, it becomes less effective at lubricating the engine and absorbing heat.
 - b) What is the recommended mileage for engine oil change?
It recommended that the engine oil in a vehicle be changed every 3 months or 3000 mile/or 5000km. However, most vehicles can go up to 5000 miles or 8000km.
2. Name four tools used in changing the vehicle engine oil.
 - Any of the following:
 - Wrench to remove drain plug (box end or socket)
 - Oil filter wrench
 - Oil drain pan
 - Funnel
 - Latex gloves
 - Jack and jack stands or ramps (optional, depends on ground clearance)
3. The following are a list of steps in changing a car engine oil. Rearrange them so that they appear in the correct order of procedure.

- Check the type and amount of oil needed.
 - Get together your filter, wrenches, and other supplies.
 - Make sure you warm up the engine first.
 - Prepare your vehicle – jack up the car safely
 - Locate the oil filter and drain plug.
 - Drain the oil.
 - Tighten the drain plug.
 - Change the oil filter.
4. List five safety considerations identified in the video when changing the engine oil in a vehicle.
- Any of the following:
- Check the car manual to locate where jacks and jack stands are to be placed
 - Use an oil tray large enough to collect the old oil so that it does not spill all over the floor
 - Place the oil tray under the drain hole and position it so that the oil doesn't get all over the floor
 - Always use jack stands
 - If oil spills, clean it up immediately
 - Get the manufacturer's torque for tightening the drain plug
 - Always use a funnel for pouring oil to avoid spills
 - Get rid of the old oil responsibly