

Lube Oil Filter Version #2

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) The engine oil life monitor may be based on _____. 1) _____
A) A PCM programmed algorithm B) Vehicle mileage
C) Either A and B D) Neither A nor B

- 2) How much force is generally used to check idler arms? 2) _____
A) 5 lbs. B) 25 lbs.
C) As much as possible D) 150 lbs.

- 3) An under vehicle inspection includes checking for _____. 3) _____
A) Exhaust system faults such as broken hangers or leaks
B) Any fluid leaks
C) Torn drive axle shaft boots
D) All of the above

- 4) The purpose of the oil filter bypass valve is to _____. 4) _____
A) Allow oil to bypass the filter if the filter becomes clogged
B) Keep the oil from draining out of the filter when the engine is shut off
C) Allows oil to bypass the oil filter when the oil is hot, to help cool the oil
D) Both B and C

- 5) Which oil standard is displayed on the front of the oil container? 5) _____
A) ILSAC B) SAE C) ACEA D) API

- 6) Which rating is the ACEA rating specified for use by many European vehicle manufacturers? 6) _____
A) SAE B) GF-4 C) A3/B3 D) SM

- 7) A coolant leak will show as what color? 7) _____
A) Green
B) Orange
C) Red
D) Any of the above, depending on the type of coolant

- 8) Different brands of oil can be used in a vehicle from one oil change to another if they meet vehicle specifications, because all oil is _____. 8) _____
A) The same API group B) Miscible
C) Of the same viscosity D) Both A and C

- 9) A Volkswagen Jetta is in the shop for an oil change. What specification is used for this European vehicle? 9) _____
A) ILSAC B) ACEA C) SAE D) API

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

- 10) Manual transmissions all use the same SAE 80W-90 oil. 10) _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 11) The "W" in SAE 5W-20 means _____. 11) _____
A) Weight B) With C) Winter D) Without
- 12) Technician A says that steering linkages with zerk fittings can be lubricated occasionally with grease. Technician B says that some steering linkage joints are sealed and do not require regular service. Which technician is correct? 12) _____
A) Technician A only B) Technician B only
C) Both technicians D) Neither technician
- 13) Which is a typical lube used in rear drive axle assemblies? 13) _____
A) SAE 75W-90 GL-5
B) SAE 80W-90 GL-5
C) SAE 80W GL-5
D) Any of the above, depending on the specification for the vehicle
- 14) Which of the following should be used when changing the oil in a car with a gasoline engine made in 2004 or 2005? 14) _____
A) API CE B) API CI-4 C) ILSAC GF-1 D) API SM
- 15) Which oil specification stands for the thickness (viscosity)? 15) _____
A) SAE B) ILSAC C) ACEA D) API

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

- 16) An important step changing engine oil is to make sure that the old gasket stays attached to the engine, not the old filter. 16) _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 17) How much end play is generally acceptable in tie rod ends? 17) _____
A) 0.0010 to 0.030 in. B) 0.050 to 0.100 in.
C) 0.030 to 0.050 in. D) Zero
- 18) Many vehicles do not require chassis lubrication if they are equipped with _____. 18) _____
A) Low-friction suspension joints such as ball joints
B) Sealed for life joints
C) No grease fittings
D) All of the above
- 19) A red fluid is discovered under a vehicle. This could be due to a leaking _____. 19) _____
A) Engine gasket (engine oil leak) B) Coolant hose (coolant leak)
C) Transmission/transaxle (ATF leak) D) Either B or C
- 20) Oil viscosity refers to which of these? 20) _____
A) Whether the oil is for gas or diesel engines
B) The thickness of the oil
C) The size of the oil container
D) The color of the oil