

Automotive Engines 10th

Quiz 14B

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

1. Oil viscosity refers to which of these? 1. _____
 - A) Most important property of lubricating oil
 - B) Tendency of oil to resist flowing
 - C) Divided into body and fluidity
 - D) Tendency of oil to increase flow

2. Oil with a high viscosity has a _____ resistance to flow than oil with a lower viscosity. 2. _____
 - A) higher
 - B) lower
 - C) equal
 - D) None of these

3. Technician A always inspects or replaces the drain plug gasket when performing an oil change. Technician B says that warm oil holds contaminants and flows faster than cold oil. Who is correct? 3. _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

4. Technician A says that all high milage oils are synthetic. Technician B says that synthetic and mineral oils are miscible. Which technician is correct? 4. _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

5. The engine oil life monitor may be based on _____. 5. _____
 - A) vehicle mileage
 - B) a PCM programmed algorithm
 - C) Either A and B
 - D) Neither A nor B

6. Which of the following is true of the properties of engine oil? 6. _____
 - A) Engine oil gets thinner when it is cooled.
 - B) Engine oils should not be miscible.
 - C) Engine oil viscosity changes with temperature.
 - D) Engine oil pour point is the highest temperature at which oil will pour.

7. Using the wrong oil when changing oil could cause the "Check engine" light to come on. 7. _____
 - A) True
 - B) False

8. Which of the following should be used when changing the oil in a car with a gasoline engine made in 2011 or later? 8. _____
- A) SN API
 - B) GF-1 ILSAC
 - C) CE API
 - D) CI-4 API
9. Technician A says that some vehicle manufacturers recommend an ILSAC grade be used in the engine. Technician B says that an oil with the specified API rating and SAE viscosity rating should be used in an engine. Which technician is correct? 9. _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
10. The "W" in SAE 5W-20 means _____. 10. _____
- A) Weight
 - B) Winter
 - C) With
 - D) Without

Answer Key

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