

Automotive Engines 10th

Quiz 15A

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

1. Normal oil pump pressure in an engine is _____ PSI. 1. _____
 - A) 3-7
 - B) 10-60
 - C) 100-120
 - D) 150-200

2. Oil _____ is controlled by using a windage tray in the oil pan. 2. _____
 - A) foaming
 - B) jumping
 - C) burning
 - D) fretting

3. In typical engine lubrication systems, what components are the last to receive oil and the first to suffer from a lack of oil or oil pressure? 3. _____
 - A) Main bearings
 - B) Rod bearings
 - C) Valve train
 - D) Oil filter

4. The oil pan has _____ to keep the oil inlet submerged in oil at all times. 4. _____
 - A) sumps
 - B) cooling fins
 - C) flaps
 - D) baffles

5. In the oil pressure regulating valve, which of these determines maximum oil pressure? 5. _____
 - A) Valve diameter
 - B) Spring tension
 - C) Piston length
 - D) Return tube diameter

6. How is the maximum oil pressure determined? 6. _____
 - A) By the speed of the oil pump
 - B) By the tension of the relief valve spring
 - C) By bearing clearances
 - D) By the tension of the piston rings

7. What type of oil pump is driven by the crankshaft? 7. _____
 - A) Gerotor
 - B) Internal/external gear
 - C) External gear
 - D) Both A and B

8. The oil pressure relief valve controls _____ oil pressure in the lubrication system. 8. _____
- A) maximum
 - B) minimum
 - C) nominal
 - D) average
9. A typical oil pump can pump how many gallons per minute? 9. _____
- A) 3 to 6 gallons
 - B) 6 to 10 gallons
 - C) 10 to 60 gallons
 - D) 50 to 100 gallons
10. Oil passages in an engine block are usually called _____, 10. _____
- A) holes
 - B) galleries
 - C) runners
 - D) pathways

Answer Key

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