

Automotive Engines 10th

Quiz 15B

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

1. Oil _____ is controlled by using a windage tray in the oil pan. 1. _____
 - A) foaming
 - B) jumping
 - C) burning
 - D) fretting

2. Why is a dry sump system used in some high-performance vehicles ? 2. _____
 - A) It allows the vehicle to corner or brake for long periods of time
 - B) It allows the engine to develop more power
 - C) It allows for a greater oil capacity so that oil temperatures can be controlled
 - D) All of the above

3. During most engine work the oil pump is usually _____. 3. _____
 - A) painted and reused
 - B) upgraded to a high pressure pump
 - C) replaced with an electric pump
 - D) replaced with a new oil pump

4. How is the maximum oil pressure determined? 4. _____
 - 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

5. Normal oil pump pressure in an engine is _____ PSI. 5. _____
 - A) 3-7
 - B) 10-60
 - C) 100-120
 - D) 150-200

6. Technician A says that the lubricating system forms a seal between the piston rings and cylinder walls. Technician B says the lubricating system helps cool engine parts. Which technician is correct? 6. _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

7. In the oil pressure regulating valve, which of these determines maximum oil pressure? 7. _____
 - A) Valve diameter
 - B) Spring tension
 - C) Piston length
 - D) Return tube diameter

8. The oil pan has _____ to keep the oil inlet submerged in oil at all times. 8. _____
- A) sumps
 - B) cooling fins
 - C) flaps
 - D) baffles
9. Technician A says that oil pressure is normally higher when the engine is cold. Technician B says that normal engine oil pump pressure ranges from 20 to 80 psi (200 to 400 kPa) or 20 psi for every 1000 engine RPM. 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. Oil passages in an engine block are usually called _____. 10. _____
- A) holes
 - B) galleries
 - C) runners
 - D) pathways

Answer Key

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1. A
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2. D
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3. D
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4. B
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5. B
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6. C
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7. B
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8. D
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9. A
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