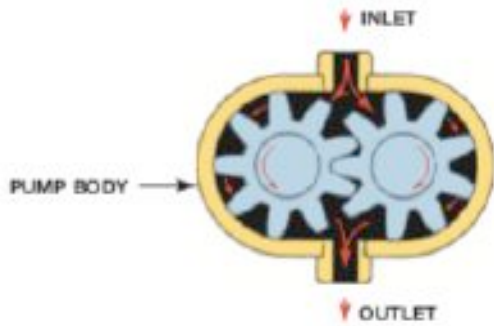


Name \_\_\_\_\_

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

1) The oil pressure relief valve is located on the outlet of the oil filter. 1) \_\_\_\_\_  
A) True  
B) False

2) What type of oil pump is pictured here? 2) \_\_\_\_\_



- A) Helical gear
- B) External gear
- C) Gerotor
- D) Rotor type

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

4) 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? 4) \_\_\_\_\_  
A) Main bearings  
B) Rod bearings  
C) Valve train components  
D) Oil filter

5) In a dry sump system there is no oil at all in the oil pan. 5) \_\_\_\_\_  
A) True  
B) False

- 6) 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. Who is right? 6) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
- 7) 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. Who is right? 7) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
- 8) An engine oil cooler usually uses what to cool the oil? 8) \_\_\_\_\_
- A) Coolant
  - B) Air
  - C) Air conditioning evaporator output
  - D) Automatic transmission fluid after it flows through the radiator
- 9) The oil drains back to the oil pan through \_\_\_\_\_. 9) \_\_\_\_\_
- A) drain pumps
  - B) drainback holes
  - C) the pushrods
  - D) the camshaft
- 10) Some vehicles use an oil cooler the help maintain proper oil temperature. Oil temperature range should be \_\_\_\_\_. 10) \_\_\_\_\_
- A) 100° F to 150° F
  - B) 100° F to 125° F
  - C) 212° F to 300° F
  - D) above 300° F

## Answer Key

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1) B

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2) B

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3) B

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4) C

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5) B

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6) A

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7) C

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8) A

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9) B

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10) C

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