

Name _____

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

- 1) Some vehicles use an oil cooler the help maintain proper oil temperature. Oil temperature range should be _____. 1) _____
 - A) 100°F to 150°F
 - B) 100°F to 125°F
 - C) 212°F to 300°F
 - D) Above 300°F

- 2) 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? 2) _____
 - A) Technician A
 - B) Technician B
 - C) Both technicians
 - D) Neither technician

- 3) Lower than specified oil pressure is measured on a high mileage engine. Technician A says that worn main or rod bearings could be the cause. Technician B says that a clogged oil pump pickup screen could be the cause. Which technician is correct? 3) _____
 - A) Technician A
 - B) Technician B
 - C) Both technicians
 - D) Neither technician

- 4) The oil pressure relief valve controls _____ oil pressure in the lubrication system. 4) _____
 - A) Maximum
 - B) Minimum
 - C) Nominal
 - D) Average

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

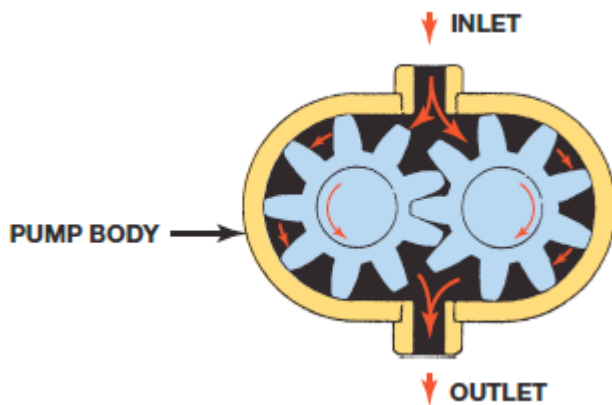
- 6) What type of oil pump is driven by the crankshaft? 6) _____
 - A) Gerotor
 - B) Internal/external gear
 - C) External gear
 - D) Both A and B

7) A typical oil pump can pump how many gallons per minute? 7) _____
A) 3 to 6 gallons
B) 6 to 10 gallons
C) 10 to 60 gallons
D) 50 to 100 gallons

8) A crankshaft-driven oil pump usually has the oil pump built as part of what component? 8) _____
A) The exhaust cam housing
B) Inside the oil sump
C) As part of the engine front cover
D) The cam belt tensioner

9) Hydrodynamic lubrication, created by the wedging action of oil between the crankshaft journal and bearing, can be as high as _____ PSI. 9) _____
A) 60
B) 120
C) 500
D) 1000

10) What type of oil pump is pictured here? 10) _____



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

Answer Key

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1) C

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2) A

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3) C

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4) A

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5) B

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6) D

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7) A

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8) C

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9) D

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10) B

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