

Name _____

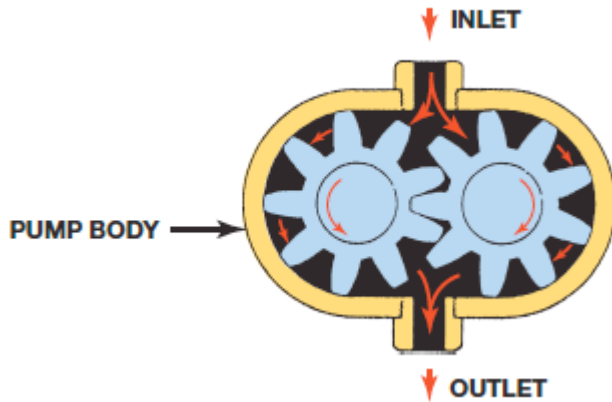
MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) Two technicians are discussing oil pumps. Technician A says that many oil pumps are driven directly off the front of the crankshaft. Technician B says that some are driven from the distributor if the engine uses a distributor-type ignition system. Which technician is correct? 1) _____
- A) Technician A
 - B) Technician B
 - C) Both technician
 - D) Neither technician

- 2) A typical oil pump can pump how many gallons per minute? 2) _____
- A) 3 to 6 gallons
 - B) 6 to 10 gallons
 - C) 10 to 60 gallons
 - D) 50 to 100 gallons

- 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) What type of oil pump is pictured here? 4) _____



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

- 5) 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? 5) _____
- A) Technician A
 - B) Technician B
 - C) Both technicians
 - D) Neither technician
- 6) Hydrodynamic lubrication, created by the wedging action of oil between the crankshaft journal and bearing, can be as high as _____ PSI. 6) _____
- A) 60
 - B) 120
 - C) 500
 - D) 1000
- 7) How is the maximum oil pressure determined? 7) _____
- 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
- 8) Normal oil pump pressure in an engine is _____ PSI. 8) _____
- A) 3-7
 - B) 10-60
 - C) 100-120
 - D) 150-200
- 9) During most engine work the oil pump is usually _____. 9) _____
- A) Painted and reused
 - B) Upgraded to a high pressure pump
 - C) Replaced with an electric pump
 - D) Replaced with a new oil pump
- 10) The oil pressure relief valve controls _____ oil pressure in the lubrication system. 10) _____
- A) Maximum
 - B) Minimum
 - C) Nominal
 - D) Average

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) B

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5) C

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6) D

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7) B

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8) B

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9) D

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10) A

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