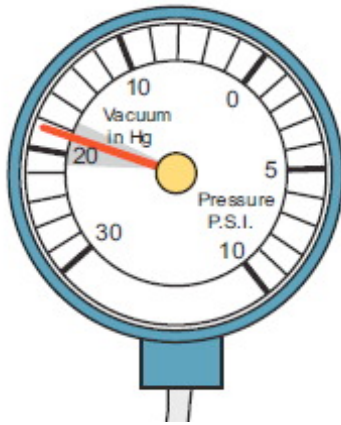


Name \_\_\_\_\_

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

- 1) A smoothly operating engine depends on \_\_\_\_\_. 1) \_\_\_\_\_  
A) High compression on most cylinders  
B) Equal compression between cylinders  
C) Cylinder compression levels above 100 psi (700 kPa) and within 70 PSI (500 kPa) of each other  
D) Compression levels below 100 psi (700 kPa) on most cylinders
- 2) A vehicle's oil pressure warning light is on. Technician A says that the pressure sending unit should be replaced and the vehicle re-checked. Technician B says that a mechanical oil pressure gauge should be used to check the oil pressure before replacing the sending unit. Which technician is correct? 2) \_\_\_\_\_  
A) Technician A  
B) Technician B  
C) Both technicians  
D) Neither technician
- 3) Most mechanical engine problems are caused by which of these? 3) \_\_\_\_\_  
A) Overcooling  
B) Overheating  
C) Fuel Loss  
D) High RPM
- 4) A good reading for a cylinder leakage test would be \_\_\_\_\_. 4) \_\_\_\_\_  
A) Within 20% leakage between cylinders  
B) All cylinders below 20% leakage  
C) All cylinders above 20% leakage  
D) All cylinders above 70% leakage and within 7% of each other

5) The vacuum reading shown was taken from an engine at idle speed. The reading indicates that \_\_\_\_\_ 5) \_\_\_\_\_



- A) The timing is retarded
- B) The engine is in good mechanical condition
- C) A valve is out of adjustment
- D) The idle speed is too low

6) Two technicians are discussing oil leaks. Technician A says that an oil leak can be found using a fluorescent dye in the oil with a black light to check for leaks. Technician B says a white spray powder can be used to locate oil leaks. Which technician is correct? 6) \_\_\_\_\_

- A) Technician A
- B) Technician B
- C) Both technicians
- D) Neither technician

7) Which of the following is the LEAST LIKELY to cause an engine noise? 7) \_\_\_\_\_

- A) Carbon on the pistons
- B) Cracked exhaust manifold
- C) Loose accessory drive belt
- D) Vacuum leak

8) A vehicle has been diagnosed with a clogged catalytic converter. Technician A says that fuel and ignition systems should be inspected for faults. Technician B says that a fault in the radiator could have caused the converter to become clogged. Which technician is correct? 8) \_\_\_\_\_

- A) Technician A
- B) Technician B
- C) Both technicians
- D) Neither technician

9) Which of these smoke types indicates oil being burned in the combustion chamber? 9) \_\_\_\_\_

- A) Blue
- B) Black
- C) White
- D) Grey

10) The pressure measured in the exhaust system should not be more than \_\_\_\_\_ PSI.

10) \_\_\_\_\_

- A) 1.5
- B) 2.5
- C) 14.7
- D) 21

## Answer Key

Testname: ENGINES9\_22A

1) B

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2) B

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3) B

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4) B

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5) B

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6) C

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7) D

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8) A

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9) A

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10) B

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