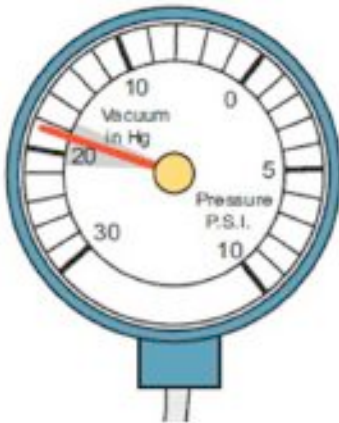


Name _____

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

1) The vacuum reading shown was taken from an engine at idle speed. The reading indicates that 1) _____



- 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.

2) A good reading for a cylinder leakage test would be _____ 2) _____

- 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

3) A good engine should produce how much compression during a running (dynamic) compression test at idle? 3) _____

- A) 150 to 200 PSI
- B) 100 to 150 PSI
- C) 60 to 90 PSI
- D) 30 to 60 PSI

4) Most mechanical engine problems are caused by which of these? 4) _____

- A) Overcooling
- B) Overheating
- C) Fuel Loss
- D) High RPM

- 5) Cranking vacuum should be _____. 5) _____
A) 2.5 in. Hg or higher
B) over 25 in. Hg
C) 17 to 21 in. Hg
D) 6 to 16 in. Hg
- 6) Normal exhaust back pressure should be 2.5 PSI or more. 6) _____
A) True
B) False
- 7) A smoothly operating engine depends on _____. 7) _____
A) high compression on most cylinders
B) equal compression between cylinders
C) cylinder compression levels above 100 psi (700 kPa) and within 70 PSI (500kPa) of each other
D) compression levels below 100 psi (700 kPa) on most cylinders
- 8) During a dry compression test the first puff of the test shows 50 PSI and the maximum reading after 4 strokes is 150 PSI. This indicates _____. 8) _____
A) a good cylinder
B) weak piston rings
C) a hole in the piston
D) a bad spark plug
- 9) Technician A says that a leaking head gasket can be tested for by using a chemical tester. Technician B says that a leaking head gasket can be found using an exhaust gas analyzer. Who is correct? 9) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician
- 10) Technician A says that the first step in diagnosing engine condition is to perform a thorough visual inspection. Technician B says that oil leaks can be found by measuring straight up from where the oil drips on the floor. Who is right? 10) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician