

Automotive Engines 10th

Quiz 21B

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. The pressure measured in the exhaust system should not be more than _____ PSI. 2. _____
 - A) 1.5
 - B) 2.5
 - C) 14.7
 - D) 21

3. A good reading for a cylinder leakage test would be _____. 3. _____
 - 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

4. Which of these smoke types indicates excessive fuel being burned in the combustion chamber? 4. _____
 - A) Blue
 - B) Black
 - C) White
 - D) Grey

5. Engine oil pressure at 3500 RPM should be at least _____ PSI. 5. _____
 - A) 10
 - B) 25
 - C) 35
 - D) 42

6. Engine cranking vacuum should be _____. 6. _____
 - A) 2.5 in. Hg or higher
 - B) over 25 in. Hg
 - C) 17-21 in. Hg
 - D) 6-16 in. Hg

7. 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? 7. _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

8. Technician A says that a clicking sound indicates a loose torque converter. Technician B says that many engine-related problems make a characteristic noise. Which technician is correct? 8. _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
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 A and B
 - D) Neither technician A nor B
10. A good engine should produce how much compression during a running (dynamic) compression test at idle? 10. _____
- A) 150-200 PSI
 - B) 100-150 PSI
 - C) 60-90 PSI
 - D) 30-60 PSI

Answer Key

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