

Internal Combustion Engine Basics



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By

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This document contains the course quiz so that you can answer various questions as you watch and listen to the course. I recommend printing out the quiz and circling your answers as you go.

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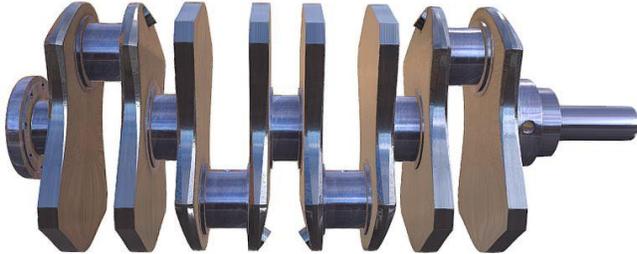
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Internal Combustion Engine Basics – Quiz

Updated 4-6-2020

1) What is the name of this component?



- A) Crumpledshaft
- B) Camshaft
- C) Crankshaft
- D) Rotary Shaft

2) A four-stroke engine is more efficient than a two-stroke engine.

- A) True
- B) False

3) Diesel engines require spark plugs whilst petrol engines do not.

- A) True
- B) False

4) Engine cooling water is also known as...

- A) Jumper water.
- B) T-shirt water.
- C) Jacket water.
- D) Trouser water.

5) An alternator is used to charge the engine battery and provide power to electrical systems when the engine is running.

- A) True
- B) False

6) White smoke in the exhaust indicates...

- A) water in the combustion space.
- B) too little air and too much fuel used for combustion.
- C) too much air and not enough fuel used for combustion.

7) Blue smoke in the exhaust indicates that the engine is burning lubrication oil.

- A) True
- B) False

8) Black smoke in the exhaust indicates the engine is burning...

- A) too little fuel.
- B) too much air.
- C) lubrication oil.
- D) too much fuel.

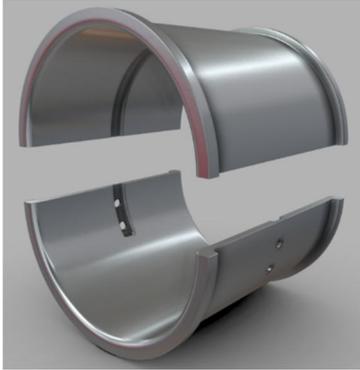
9) Which of these is NOT a main engine component.

- A) Cam
- B) Camshaft
- C) Clankshaft
- D) Crankshaft

10) A two stroke engine requires one full rotation of the crankshaft per combustion cycle.

- A) True
- B) False

11) Identify this component.



- A) Plain Bearing
- B) Anti-Friction Bearing
- C) Piston Shell
- D) Crankshaft Shell

12) This engine design is a...



- A) straight 6 cylinder.
- B) straight 4 cylinder.
- C) V6.
- D) V4.

13) Identify this component.



- A) Hydraulic Piston
- B) Valve (Poppet Valve)
- C) Pneumatic Camshaft
- D) Engine Cylinder

14) Identify this component.



- A) Rocker Arm
- B) Valve
- C) Piston
- D) Cam

15) Identify this component.



- A) Piston Crown
- B) Piston Tail
- C) Piston Assembly
- D) Piston Shaft

16) What component does the starter motor engage with when starting the engine?

- A) Flywheel.
- B) Crankshaft.
- C) Camshaft.
- D) Fuel Injector.