Diesel vs. gasoline



Diesel engine engine

Get ready!

- 1 Before you read the passage, talk about these questions.
 - 1 What are some different types of fuel for vehicles?
 - 2 In what part of an engine does fuel ignite?

Reading

- Read the advice column. Then, choose the correct answers.
 - 1 What is the purpose of the column?
 - A to show ways to use less fuel
 - B to state the benefits of diesel fuel
 - C to explain the process of combustion D to compare different types of engines
- 2 How is a gasoline engine different from a diesel engine?
 - A A gas engine releases more pollutants.
 - B A gas engine uses spark plugs for ignition.
 - C A gas engine needs more time to warm up.
 - D A gas engine has a smaller fuel injection pump.
- 3 Which of the following is NOT a feature of a diesel engine?
 - A Air and fuel mix before entering the chamber.
 - B It is more durable than a gasoline engine.
 - C It doesn't burn as clean a gasoline engine.
 - D Gasoline cannot be used in it.

the Mechanic! Ask

Dear Mechanic, I want to buy my first car. I noticed that some engines run on gasoline and others run on diesel. What's the difference?

- Todd in Yarmouth

OP

Dear Todd, Both types of engines have combustion chambers. However, a diesel engine doesn't have spark plug. Instead, it uses hot, compressed air to ignite the fuel. The air enters the chamber first. The the fuel injection pump forces fuel into the chamber. Some have precombustion chambers or glow plugs that heat up the air to increase afficiency learners. efficiency. In gasoline engines, on the other hand, fig-and air are mixed before entering the chambe hough most use a fuel injection pump as wel engines also have a higher compression ratio.

Diesel has a bad reputation because it doesn't but as clean as gasoline. New clean diesel is much les polluting. And biodiesel offers a sustainable full option. It's more expensive than gasoline, by provides better fuel economy. Another thing remember: diesel engines require less maintenant and are more durable.





Vocabulary

- 3 Read the sentence pair. Choose where the words best fit the blanks.
 - 1 clean diesel / biodiesel
 - A Plants are a main source for _
 - ____ was created because regula diesel had too many pollutants.
 - 2 heat up / run on
 - A When you start engines they _
 - B Most cars today _____ gasoline
 - 3 durable/ maintenance
 - A All vehicles require some ___
 - B A__ ____ engine will last a long in
 - 4 gasoline / diesel
 - A _ engines do not use spark S plugs.
 - ___ engines are the most common today.

