

Письменный перевод текста:
Diesel Engine

If you know something about ordinary **gasoline engines**, such as those in automobiles, you know have noticed that diesel engines in many respects, work in the same way.

Both types of engines **are internal combustion engines**, that is, they burn the fuel inside their **cylinders** Most gasoline engines and many **diesel engines** work on the **four-stroke cycle**, that is, the **piston** makes a **suction stroke**, a **compression stroke**, a **power stroke** and an **exhaust stroke**.

What are the main differences between diesel engines and **gasoline engines**?

1. A diesel engine has no ignition system- It has no **spark plug fed** with high-tension electricity from a **distributor, spark-coil, timer, and battery**.
 2. A diesel engine draws into its cylinder air alone, and it compresses this air on its **compressions stroke** before any fuel enters the cylinder
 3. Diesel engines use greater compression than gasoline engines. The compression in a diesel engine is not limited by the possibility **of pre-ignition** because a diesel engine compresses air only. Therefore, diesel engines use compression ratios of about 16 to 1, and so achieve greater **efficiency** in the use of fuel.
- Why are diesel engines used so much? Not **merely** because they can produce **power** - there are many other ways of producing power.

Advantages of Diesel Engines.

1. Small **Consumption** of Fuel
2. Cheap fuel
3. Economy at Light Loads
4. **Greater Safety**
5. Economy in small Sizes
6. Independence **of Water Supply**
7. Quick Starting

Задания:

1. Переведите слова и словосочетания на русский язык:

gasoline engines, internal combustion engines, diesel engines, four-stroke cycle, the piston, suction stroke, a compression stroke, a power stroke and an exhaust stroke, spark plug fed, distributor, spark-coil, timer, and battery, pre-ignition, water supply

3. Закончите предложения, выбрав их из текста:

1. *Most gasoline engines and many diesel engines work on the...*
2. *A diesel engine draws into its cylinder air alone, and it compresses this air on its...*
3. *Diesel engines use than gasoline engines*

