

МРиОА 18-9

26.01.2021 г.

Иностранный язык (английский) в профессиональной деятельности

Преподаватель: Корякина Марианна Ивановна

Эл. адрес: kmi-ykt@mail.ru

+79627368770

Тема урока: "Паровой двигатель" , «Дизельный двигатель»

Цели урока: совершенствование навыков чтения и перевода, усвоение нового лексического материала.

- 1. Задание 1. Перепишите новые слова**
- 2. Прочитайте и переведите текст.**

“STEAM ENGINE.”

1. Vocabulary.

steam chest – паросборник

the more...the more - чем больше....тем больше

mostly - главным образом, большей частью

to invent – изобретать

to boil - кипеть

pipe - труба

steam - пар

valves - клапана

piston - поршень

to reach - достигать

pressure - давление

stroke - ход

speed - скорость

opening - отверстие

2. Read and translate the text.

STEAM ENGINE.

The steam engine was the first high-speed engine ever invented. The principle of the steam

engine is simple. When water is boiled, it changes into steam. The more the steam is heated, the more pressure it has.

A steam engine has some important parts. One is a boiler where fire turns water into steam. The steam goes through a pipe to the other important part - the steam chest with a cylinder and a piston in it. There are valves, or openings, in the steam chest. As the piston moves in the cylinder, it opens and closes the valves automatically, so that fresh steam enters just when the piston has reached the end of its stroke. A rod from the piston is connected to a wheel.

Now steam engines are mostly used in locomotives.

3. Перепишите новые слова

4. Прочитайте и переведите текст.

“DIESEL ENGINE”

1. Vocabulary.

gallon - галлон - англ. (4,54 л); амер. (3,78 л).

besides – помимо, кроме

to last - длиться, продолжаться, сохраняться

screw – винт

like - похожий, подобный

directly - прямо, непосредственно

alone - один, только

immediately - немедленно, тотчас же

spray - брызги, струя, разбрызгивать, распылять

fuel – топливо

spark plug – искра свечи

to connect - соединять

charging – загрузка

to inject – впрыскивать

to ignite – зажигать

to use – использовать

2. Read and translate the text.

DIESEL ENGINE

A diesel engine is like a gasoline engine but simpler. Diesel engines are usually larger and can do more work. The fuel used in a diesel engine is oil. In diesel engines only air is blown into

the cylinder. It does not need spark plugs. Diesel engines can be four - stroke ones and two - stroke ones.

Diesel engines use a cheaper kind of fuel and give more power for each gallon of fuel burned than gasoline engines. Besides they last much longer. In new trains and ships diesel engines run large generators which make electricity. The electricity runs motors which are connected to the wheels of the train or to the ship's screws.

The diesel engine is an internal combustion engine. It uses oil as a fuel. The fuel is introduced in the form of spray and the engine requires no special ignition device.

In the four-stroke cycle Diesel engine air alone is drawn into the cylinder on the charging stroke. This air is being compressed on the return stroke to a very high pressure. The result of the combustion is that the air is heated to a high temperature.

The heavy oil injected into the air at the end of the stroke will be immediately ignited by it. The oil burns rapidly, but without explosion. The compression pressure is much higher than that in any other oil or gas engine.