**АМ 189 Иностранный язык Ситдикова Наиля Гайфетдиновна на 24.03.2020**

**Тема Виды двигателей. Сослагательное наклонение (закрепление)**

Содержание учебного материала

**Тема Types of engines**

**Exercise 1.** Записать, перевести и выучить слова

power

chamber

exhaust

mileage

gas

powerboat

trailer

motor

**Exercise 2.**   
Напишите, сколько цилиндров могут иметь разные типы двигателей.

Say how many cylinders different types of engines may have.

**Exercise 3.**

Прочитайте текст о работе 4-цилиндрового, 6-цилиндрового и 8-цилиндрового двигателя и письменно ответьте, какие преимущества имеет 4-цилиндровый двигатель по сравнению с 6- или 8-цилиндровым двигателем.

Read the text about the work of a 4-cylinder, 6-cylinder and 8-cylinder engine and say what advantages a 4-cylinder engine has if compared to 6- or 8-cylinder engines.

In a four-stroke engine, a series of movements causes fuel to be converted into forward motion. The difference between a 4-cylinder and 6-cylinder engine is that the latter produces more power. This is due to the two extra cylinders. In a basic engine design, pistons travel down cylinder sleeves or chambers (камеры), allowing intake valves to open. Intake valves let fuel and air enter the cylinders, while rising pistons compress these gases. Spark plugs ignite the compressed gas, causing explosions that drive the pistons back down. The next rise of the pistons coincides with exhaust valves opening to clear the chambers. The timing of the pistons is staggered so that one pair rises while another falls. Pistons are connected to rocker arms, which turn a crankshaft; the crankshaft turns the wheels, thereby converting fuel into motion. In a 4-cylinder engine, there are four pistons rising and falling in four chambers. A 6-cylinder engine has six pistons and produces a theoretical 50% more power than the same 4-cylinder engine. While a 4-cylinder engine might hesitate when you press on the gas, a 6-cylinder is more responsive. The 4-cylinder engine is standard in smaller cars, as the relatively light weight of the vehicle makes it an economical choice with plenty of power for average motoring needs. Many models include a 6-cylinder engine upgrade option. The 6-cylinder engine is standard in passenger cars, vans, small trucks and small to midsize sports utility vehicles (SUVs). Standard trucks and larger SUVs commonly feature an 8-cylinder engine. These heavier vehicles are used for towing and carrying substantial weight. Though more cylinders equal more power when comparing the same engine models, there are exceptions when comparing different engines. Improved engine designs over the years have resulted in substantial gains. This has made 4-cylinder engines more powerful than they were a decade ago, and 8-cylinder engines more fuel-efﬁ cient than they once were. In short, a 6-cylinder engine from 1993 might have less power than a recently designed 4-cylinder engine. In addition, a new 8-cylinder engine might get better gas mileage than the older 6-cylinder engine. If deciding between a 4- and 6-cylinder engine on a new vehicle, there are a few considerations. The smaller engine will be less expensive and should get slightly better gas mileage. The disadvantage is lack of power. For hilly or mountainous areas, the 6-cylinder engine would be a better choice. If interested in towing substantial weight, such as a powerboat or house trailer, consider an 8-cylinder motor.

**Exercise 4.** Дайте в тексте английские эквиваленты следующим словам. Задание выполняется письменно

Give the English equivalents to the following words

.Преобразовать, прямолинейное движение, дополнительные цилиндры, сжимать, воспламенять, совпадает, соединены с, относительно лёгкий, экономичный выбор, в качестве одного из вариантов, значительный вес, существенный выигрыш, иметь меньший расход топлива, удовлетворяет вашим потребностям.

**Exercise 5.** Найдите в тексте производные следующих слов и письменно переведите их.

Find in the text the derivatives of the following words and translate them.

|  |
| --- |
| Move, differ, explode, response, relative, economy, except, power, recent, add, consider, advantage, mountain, hill, choose, weigh |

**Exercise 6.**   
Дайте краткое содержание текста письменно в 5–6 предложениях. Sum up the contents of the text in 5–6 sentences.

**Exercise 7.** Заполните пропуски предлогами, где это необходимо.

Fill in the gaps with prepositions where necessary.

1. The 4-cylinder engine is standard … smaller cars. 2. The relatively light weight … the vehicle makes it an economical choice. 3. The 8-cylinder engine gives plenty of power … motoring needs. 4. Deciding … 4-cylinder and 6-cylinder engines take into consideration the type of the car. 5. Engines have improved greatly … last century.

**Exercise 8** Вставьте подходящие производные слов в скобках.

Put in suitable derivatives of the words in brackets.

1. A 6-cylinder engine is more … (response). 2. The heavier vehicles are used for towing substantial … (weigh). 3. 6-cylinder engines are … than 4-cylinder engines. (power). 4. There is a great … between 4- and 8-cylinder engines. (differ). 5. A series of ... causes fuel to be converted into forward motion. (move)

**Exercise 9.**  Письменно ответьте на вопросы. Answer the questions.

1. What is the main difference between a 4-cylinder and 6-cylinder engine? 2. What is this due to? 3. What vehicles is the 6-cylinder engine standard on? 4. What should we take into consideration deciding between a 4 and 6-cylinder engine on a new vehicle? 5. Is their any way to tell if a particular engine will suit your needs? 6. Light weight of the venicle makes it an ... choice. (economy)

**Exercise 10**. Заполните таблицу и сравните преимущества и недостатки различных типов двигателей. Fill in the table and compare advantages and disadvantages of different types of engine.

Example: *While a 4-cylinder engine is cheaper, a 6-cylinder engine is more powerful.*

|  |  |  |  |
| --- | --- | --- | --- |
| The type of the engine | Advantages of the engine | disadvantages of the engine | Vehicles, that use this type of engines |
| 4-cylinder engine |  |  |  |
| 6-cylinder engine |  |  |  |
| 8-cylinder engine |  |  |  |

**Exercise 11.**   
Твой друг любит ходить в горы со своей семьей. Он хочет купить машину для этой цели. Дайте ему несколько письменных рекомендаций о том, какой тип двигателя будет лучшим выбором.Your friend likes going to the mountains with his family. He wants to buy a car for this purpose. Give him some recommendations on what type of engine will be the best choice.

**Exercise 12. Fill in the blanks to practice the use of the Subjunctive Mood**

**Заполните пробелы, чтобы практиковать использование сослагательного наклонения.**

1. It … useful to investigate this problem.
2. There … no results without those experiments.

3. He suggested that you … this article.

4. I wish I … about it. It is important that you … in this experiment.

Список литературы

1. В.А. Шляхова. Английский язык для студентов автомобилестроительных специальностей. Учебное пособие. – М.: «Высшая школа», 2014. - 120 с.
2. Маньковская З.В. Английский язык : учеб. пособие / З.В.Маньковская. – М.: ИНФРА-М, 2018. – 200 с. – (Среднее профессиональное образование
3. Т.А. Карпова Английский для колледжей. Учебное пособие. – Москва,2010

**Примечание:**

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