What is the cost of refining crude oil?

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The society is developing rapidly. With the advancement of science and technology. Many resources can be fully utilized by us. Many of the resources that we believe that ordinary can no longer be ordinary are now facing a situation of scarcity. Saving resources is what each of us should do What happened. Oil is an important tool to improve our living standards. Cars, airplanes, etc. need oil as power. It is conceivable that if there is no oil in the world. Then our lives will instantly go backwards for decades or even hundreds of years.

The oil we use daily is obtained through refining.

Crude oil can be processed layer by layer to produce products used in multiple industries. Such as gasoline, kerosene, diesel, heavy oil, and natural gas. It is the main energy source at present. Provider. These products are closely related to our daily lives. Many friends also want to learn more about crude oil refining. For example, how much does it cost to refine crude oil?

What is the cost of refining crude oil?

The professional technical article in the top three oil refining production lines by sales in 2021 shows that oil, also known as crude oil. It is a brown-black combustible viscous liquid that is mined from deep underground. Mainly a mixture of various alkanes, cycloalkanes and aromatic hydrocarbons. It is a mixture of organisms in ancient oceans or lakes that have evolved over a long period of time.

Like coal, it is a fossil fuel.

Crude oil refining is more complex, divided into mining, transportation, and refining. The cost includes plant investment, personnel cost, social cost, etc. The refining cost is affected by many factors. Generally speaking, the average level is 180 yuan/ton.

In the refining process of crude oil.

Straight-run gasoline, kerosene, light and heavy diesel oil and various lubricating oil fractions . They can be extracted from crude oil according to the difference in the boiling points of its components. This is the primary processing process of crude oil. Then use part or most of these semi-finished products as raw materials for the secondary processing of crude oil, such as catalytic cracking, catalytic reforming, hydrocracking, and other backward refining processes, which can improve the quality of petroleum products and the yield of light oil. rate.

A variety of different products can be extracted from crude oil. Each product has a profound impact on us and plays a very important role in our daily lives. The cost of refining varies from product to product.

The cost of crude oil extraction is changeable.

The cost of extraction varies from region to region. Some regions only cost a few dollars while others are much higher. In addition, transportation costs are also an important factor. If there are no suitable pipelines near the mining area, tankers may have to be rented for transportation, which invisibly increases the upfront cost.

In addition, the cost of crude oil in the process of processing and refining is also affected by many factors:

1. The quality parameters of crude oil, that is, API, sulfur content, acid value, viscosity, wax content, heavy metal content, ash content, etc.

2. The status of the existing equipment in the refinery, that is, whether there are desulfurization, catalytic cracking, and coking.

3. Specify which processing type, such as fuel type, fuel chemical type, lubricating oil type, etc.

However, it is worth mentioning that the same ton ratio of different types of crude oil is quite different.

It also makes the refining cost different. In general, the refining cost depends on the type of crude oil, the configuration of the refinery, the scale and production of the refinery. The impact of many factors such as the products. The cost of an efficient refinery is about US$3-4 per barrel, while the cost of an inefficient refinery can be as high as US$10-12 per barrel.

The above is the cost of crude oil refining.

It is well known that the refining of crude oil is difficult for ordinary people to participate in, but the refining of edible oil is a profitable industry for the general public. Consumers' living standards are improving, and their requirements for edible oil are getting higher and higher. The high-quality and low-cost edible oil is widely welcomed by the public. The Refining oil production line of Shandong Loyal Industrial Co., Ltd. can provide manufacturers with a very large s help.

Shandong Loyal Industrial Co., Ltd.

It is an internationally renowned food machinery manufacturer and has enjoyed a high reputation in the world for many years. The biscuit production line, corn flake production line and baby food production line produced by Shandong Loyal Industrial Co., Ltd. are sold at home and abroad, with customers in many countries around the world. And region.

Our Refining oil production line is used for degumming.

dephosphorization, drying, dehydration, decolorization, deacidification, deodorization, dewaxing and other physical treatments after pressing or leaching. The edible oil produced is clear in color and full-bodied, meeting national standards . In addition, the quality of the production line is stable, can be used for a long time, and the price is low. It is a high-quality equipment used by many well-known companies.

Whether it is crude oil or edible oil, it is closely related to our daily life. If you want to reduce production costs and refine higher-quality edible oil, welcome to contact us, and we look forward to your arrival!