

Petroleum Lubricating Oil and Grease Manufacturing Industry. Lube Oil Blending Plant. Industrial Lubricants, Oils and Greases Production.

Description:

Lubricating oil, sometimes simply called lubricant/lube, is a class of oils used to reduce the friction, heat, and wear between mechanical components that are in contact with each other. Lubricating oil is used in motorized vehicles, where it is known specifically as motor oil and transmission fluid.

Lubricating oils of different viscosities can be blended together, and it is this ability to blend them that makes some oils so useful. For example, common motor oil is generally a blend of low viscosity oil to allow for easy starting at cool temperatures and a high viscosity oil for better performance at normal running temperatures.

Lubrication is simply the use of a material to improve the smoothness of movement of one surface over another; the material which is used in this way is called a lubricant. Lubricants are usually liquids or semi-liquids, but may be solids or gases or any combination of solids, liquids, and gases.

In addition to reducing or controlling friction, lubricants are usually expected to reduce wear and often to prevent overheating and corrosion.

The importance of oil in the engine is just like blood in the body. Blood flows through all the veins to vital organs to keep them healthy and alive, similar is the function of lubricating oil in the engine. Across the world, lubricant oil is primarily used for cooling automobile engine, marine engine and for industrial purposes. Globally, more than 50% of the total lubricant volume is being used for automobile, around 40% is for industrial purpose and rest is for marine industry.

Use in Vehicles

The use of lubricating oils in vehicles is vital to their operation. When an engine is properly lubricated, it needs to put less work into moving pistons as the pistons glide easily. In the long run, this means that the car is able to operate while using less fuel and run at a lower temperature. Overall, the proper use of lubricating oil in a car improves efficiency and reduces the amount of wear and tear on moving engine parts.

Lubricant Classification

- Gaseous lubricants
- Liquid lubricants
- Semi-solid lubricants
- Solid lubricants

For more details download PDF file.

Keywords: Lubricating Oil and Grease Manufacturing, Production of Lubricants, Lube Oil Processing, Lubricating Oil Blending Plant and Production, How Lubricating Oil is made? Lubricants Manufacturing Plant, Lubricant Oil Production Business Plan, Lubricating Oil Blending, Production of Lubricating Oil, Lube Oil Production, Lubricating Oil Production, Lubricating Oils and Greases Processing, Lubricating Oil Manufacturing Company, Lubricants for Automotive Manufacturing of Lubricants for Automotive, Lubric

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