

Petroleum Products: Refining and Distillation (Lubricants, Waxes and Petrochemicals) Manufacture of Crude Oil, Gasoline, Kerosene, Absorbent, Oils, and Fuels Oils, Petroleum Asphalts

Description:

Petroleum refineries are large, capital-intensive manufacturing facilities with extremely complex processing schemes. More than 660 refineries, in 116 countries, are currently in operation, producing more than 85 million barrels of refined products per day. Each refinery has a unique physical configuration, as well as unique operating characteristics and economics.

Rising crude oil prices powered revenue growth as refiners have passed costs down the distribution line. Since 2011, profit has steadily recovered in line with improving demand, while low domestic oil prices further bolstered margins. In 2016, profit is anticipated to rise slightly, though it remains below historic levels. This industry is anticipated to recover over the next five years as fuel prices rise and consumption increases.

India remains one of the least-explored countries in the world, with a well density among the lowest in the world. With the annual demand crossing above 100 million tonnes, India is the fourth largest oil consumption zone in Asia, even though on a per capita basis the consumption around 0.1 tonne, the lowest in the region- This makes the prospects of the Indian Oil industry even more exciting.

Some of the fundamental topics of the book are the nature of petroleum, crude oil processing, distillation in the petroleum industry, refining of lubricating oils, petrolatum, and waxes, residue fluidized catalytic cracking, chemical thermodynamics of petroleum, benefits of biodiesel produced from vegetable oil, petroleum products used as fuel oils, manufacture of asphalt from petroleum, petroleum waxes, chlorinated waxes, synthesis gas etc.

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Keywords: Petroleum Products, Petroleum Refining and Distillation, Lubricants, Waxes, Petrochemicals, Manufacture of Crude Oil, Manufacture of Gasoline, Manufacture of Kerosene, Manufacture of Absorbent, Manufacture of Oils, Manufacture of Fuels Oils, Manufacture of Petroleum Asphalts, Petroleum Refinery

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