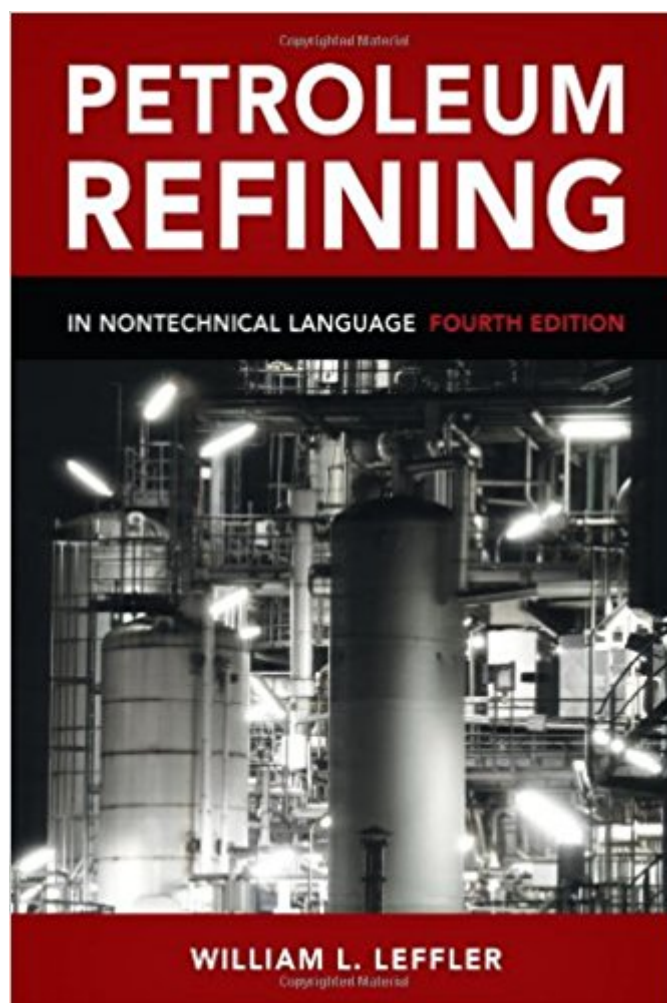


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# Petroleum Refining In Nontechnical Language, Fourth Edition



## Synopsis

William Leffler's Petroleum Refining in Nontechnical Language, Fourth Edition is designed to give the reader an overview of key refining topics by using relevant analogies, easy-to-understand graphs, formulas, and illustrations. New to this edition is important information on the nature of crude oil and raw materials and a comprehensive discussion on what sets crude oil and oil products price differentials. Also new is a chapter on lubricants as well as the latest technologies employed by refiners. Each chapter was carefully written in nontechnical language to give the reader a basic understanding of the refining industry. The book can be used for self-study, as a classroom textbook, or as a quick reference.

## Book Information

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## Customer Reviews

Very Good overview of petroleum refining. Well written. I would recommend it, as an introduction text, for every engineer working in an oil refinery. However, it is not written for process engineers looking a technical book, as the process engineering concepts are not covered and sometimes incorrect. For example, Leffler states that "the perforations permit the vapors to rise through the column and the liquids to fall" to explain how distillation perforated trays work. Liquid flow through the perforations has to be avoided (this is called "tray dumping").

I have a BA degree in International Studies and an MBA in Finance. I have been in market and competitor analysis with energy consulting firms and operating companies for 28 years. I have relied

on this book every step of the way. Do not expect to get a detailed understanding of how refining works. If that is what you are seeking, you're not in the right place (hint: read the title!). What this splendid little book does is give a business person enough background to understand the various processes, both individually and as part of the flow from crude oil to, for example gasoline. How good is this book? Well, it has been in continuous publication for some 20 years.

If you are new to Refining, or just curious, this book is an excellent place to start. The author makes the subject very approachable for lay people and engineers new to refining. The book starts out with a description of the physical separation processes of distillation and vacuum flashing, and then moves carefully into the processes that require chemical reactions. No need to be a chemistry whiz; the author keeps the principles understandable. Highly recommend. Now if the publisher would only come out with a Kindle edition!

Very well-written book on petroleum refining, with a lot of graphs, pictures and explanations. For a petroleum specialist it might be a little too basic, but if you are not directly involved in oil refining in your day-to-day activities - this book is a very well presented material, covering all modern refining processes. Highly recommend to read.

This book is very well done. It covers all the basics about petroleum refining with enough details to be useful and it is written in a very easy to understand language. I recommend it to anyone who wants to understand the main purpose of all major petroleum refining equipments and their respective strategic use.

Written in clear language. This is my go-to book when I want to introduce new engineers to the details of oil refineries. Each of the refinery unit descriptions are very informative - without having to be a petroleum engineer to understand them. Cat crackers, vacuum unit, reformers, cokers, hydrotreaters, SRUs, it has them all. Way to go Mr. Leffler!!!

This book is a great read for any novice in the Petroleum Industry. I work in the industry and I have a much better understanding of how everything works after reading this book.

Takes the different processes and breaks them down into terms that lay people can use and understand. A copy was purchased for every control room in our unit

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