



DESTILATION TOWER IN THE PETROLIUM INDUSTRY

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Semester 1

Week 8

Date



Outline

 What is DESTILATION TOWER IN THE PETROLIUM INDUSTRY



Objectives

When completed this lecture, student is expected to:

- 1- Understand what is distillation colum in petroleum industry
- 2-The operation and how separation taking place for different components of oil products.

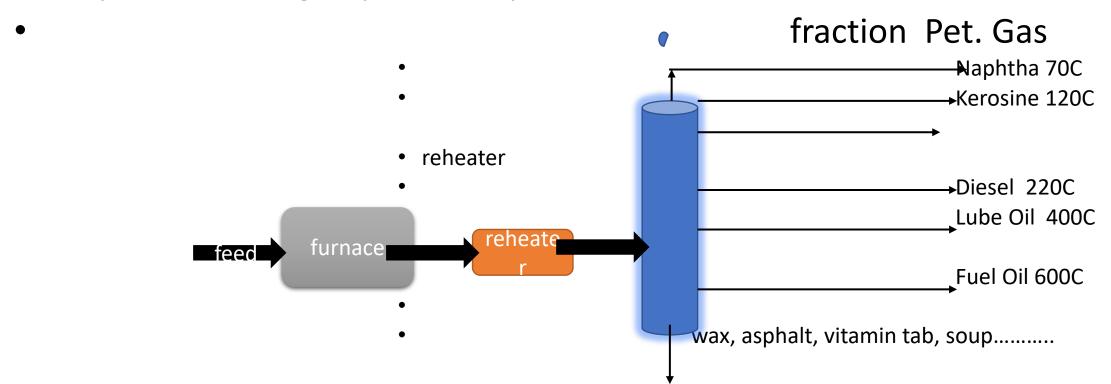


https://www.youtube.com/watch?v=OPXudQ0_q8g

DISTILATION TOWER



• HEATED CRUDE OIL is pumped into distillation tower to reduce the raw crude oil into its products of hydrocarbons, the process of separation takes place as result of the crude oil fractions are having different boiling temperature as shown in the link bottom is of high temp. and as we go up the temperature is less as shown

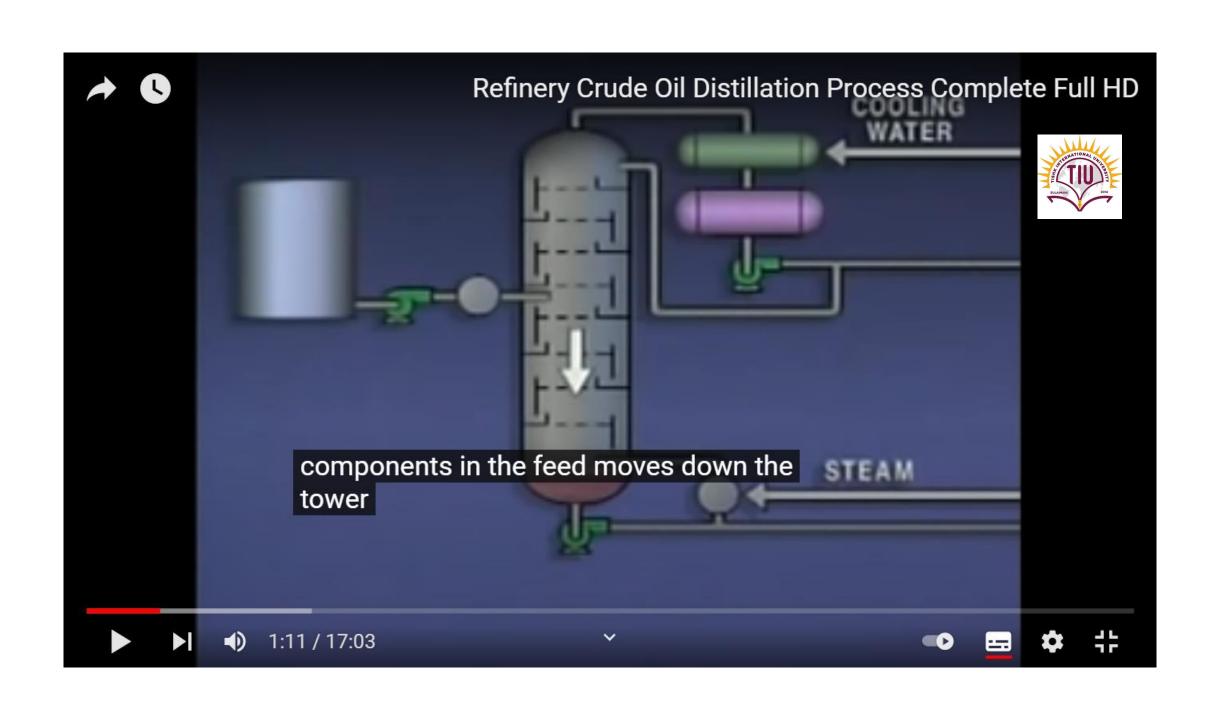


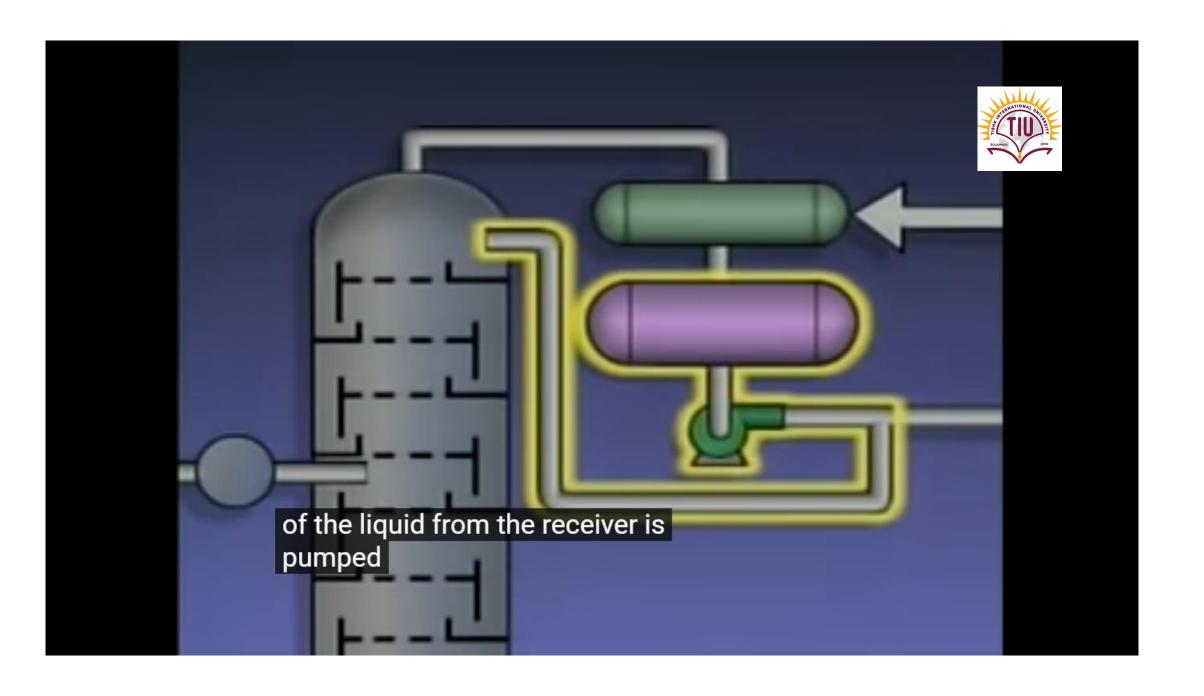


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- Input crude oil called feed
- Output called fraction
- Fractionators
- Fractions
- Overlaps
- External reflux is referd to the returned fraction to the tower
- Increase purity
- reboiling

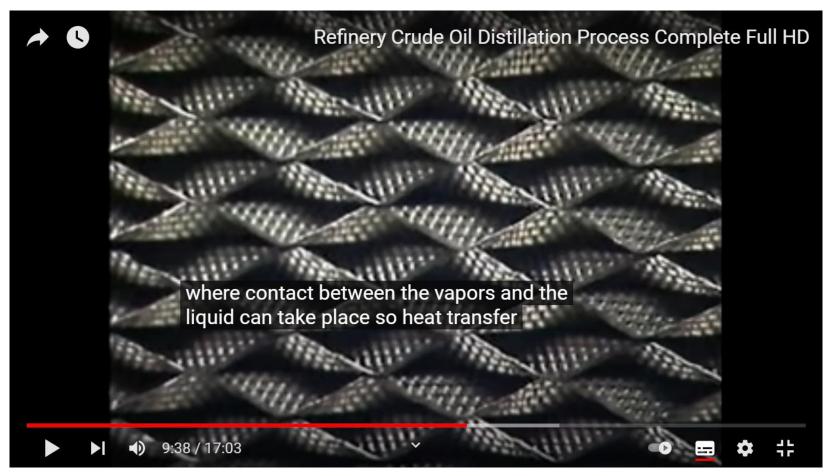




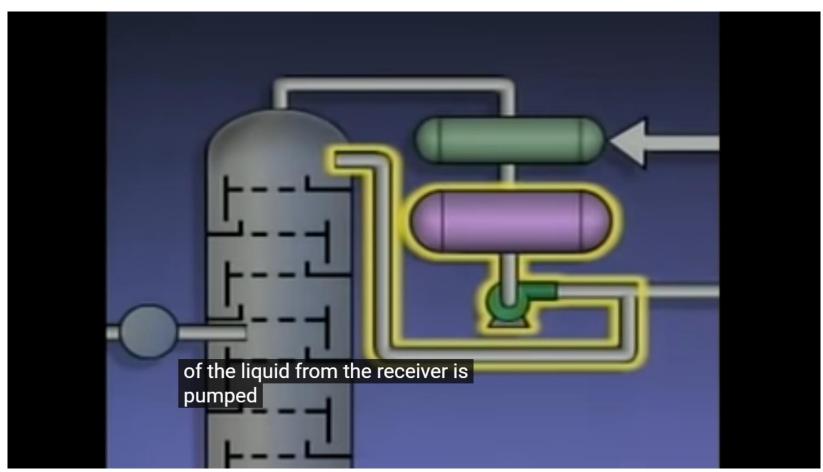




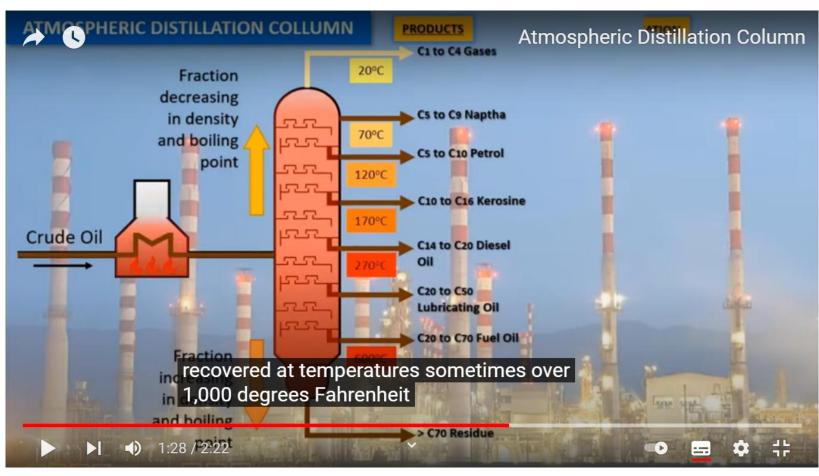




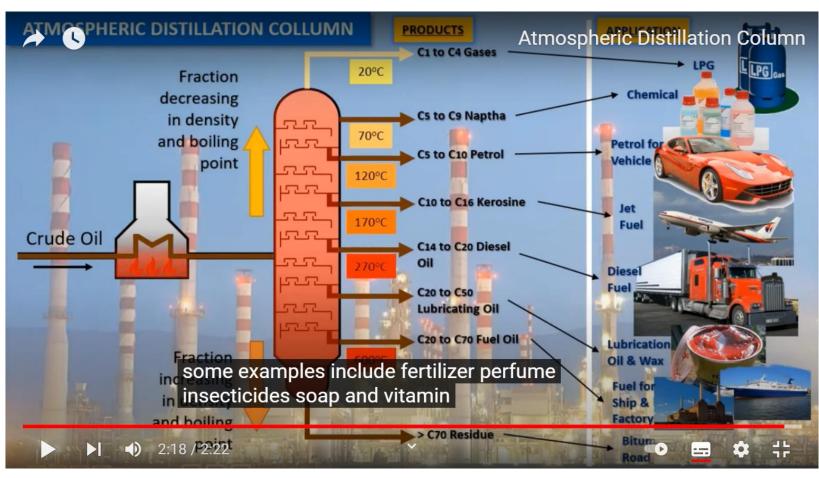














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