

— University of Mosul — College of Petroleum & Mining Engineering



Title of the lecture

Lecture Two

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Products Composition

To understand the diversity contained in crude oil, and to understand why refining crude oil is important in our society, look through the following list of products that come from crude oil:

Products Composition

- □ Liquefied Petroleum Gas (LPG)
- □ used for heating, cooking, making plastics
- ☐ small alkanes (1 to 4 carbon atoms)
- □ commonly known by the names methane, ethane, propane, butane
- □ boiling range < 90 degrees Fahrenheit / < 27 degrees Celsius</p>
- often liquified under pressure to create LPG (liquefied petroleum gas)
- Gasoline
- motor fuel
- liquid
- □ mix of alkanes and cycloalkanes (5 to 7 carbon atoms)
- □ boiling range = 90-220 degrees Fahrenheit / 27-93 degrees Celsius

Products Composition

- □ Kerosene
- ☐ fuel for jet engines and tractors; starting material for making other products
- ☐ liquid
- ☐ mix of alkanes (10 to 15 carbons) and aromatics
- □ boiling range = 315-450 degrees Fahrenheit / 177-293 degrees Celsius
- Diesel Fuel
- used for diesel fuel and heating oil, starting material for making other products
- liquid
- alkanes containing 13-18 carbon atoms
- □ boiling range = 450-650 degrees Fahrenheit / 293-315 degrees Celsius

Products Composition

