Mindluster Platform

About the course Petroleum Refining Fundamentals

Petroleum Refining course, In this course we will learn about the processes, operations, and technologies involved in petroleum refining for various products.

Engineering Category's Courses

Course Lesson(40)

Lesson 1 : **Petroleum Refining Complete Guide to Products Processes Trailer**

Lesson 2 : **Welcome to the Course Lecture 001 Petroleum Refining**

Lesson 3 : **Content Index Lecture 002 Petroleum Refining**

Lesson 4 : **Petroleum Refining Vs Petrochemical Industry Lecture 003 Petroleum Refining**

Lesson 5 : **Course Objectives Lecture 004 Petroleum Refining**

Lesson 6 : **Industry Insights Section Overview Lec 008 Petroleum Refining**

Lesson 7 : **Task Will Gasoline run with Crude Oil Lecture 010 Petroleum Refining**

Lesson 8 : **What is Petroleum Refining Lecture 011 Petroleum Refining**

Lesson 9 : **Industry Fact Market Trends Lecture 012 Petroleum Refining**

Lesson 10 : **Common Processes in Petroleum Refining Lecture 021 Petroleum Refining**

Lesson 11 : **Crude Oils Section Overview Lecture 039 Petroleum Refining**

Lesson 12 : **Sulfur Content in Crude Oil Lecture 049 Petroleum Refining**

Lesson 13 : **True Boiling Point Distillation Curves ASTM TBP Lecture 057 Petroleum Refining**

Lesson 14 : **West Texas Intermediate Crude Oil Mix WTI Lecture 063 Petroleum Refining**

Lesson 15 :
Typical Products of Petroleum Refinery Section Overview Lecture 065 Petroleum Refining

Lesson 16 : **Crude Oil Cuts Lecture 067 Petroleum Refining**

Lesson 17 : **Determination of the Cetane Index Cetane Number Lecture 079 Petroleum Refining**

Lesson 18 : **Gasoline Product Specifications Lecture 086 Petroleum Refining**

Lesson 19 : **Typical Gasoline Additives added in Blending Pool Lecture 087**

Lesson 20 : **Asphalt Product Specification Lecture 101**

Lesson 21 : **Distillation of Crude Oils CDU VDU Lecture 104**

Lesson 22 : **Heat Exchanger Networks HEN Lecture 109**

Lesson 23 : **Pump Arounds of a Crude Oil Distillation Unit Side Products Draws Lecture 112**

Lesson 24 : **Task Ejectors and Vacuum Lecture 121**

Lesson 25 : **Hydrotreatment Section Overview Lecture 122**

Lesson 26 : **Hydrotreatment of Naphtha Process Conditions Technology Lecture 126**

Lesson 27 : **Gas Treating Section Overview Lecture 130**

Lesson 28 : **Polymerization Unit Production of Polymer Gasoline Section Overview Lecture 136**

Lesson 29 : **Isomerization Unit Production of Isomerate Section Overview Lecture 140**

Lesson 30 : **Chemistry of Isomerization for Gasoline Isomerates Lecture 142**

Lesson 31 : **Alkylation Unit alkylate Gasoline Blending Section Overview Lecture 146**

Lesson 32 : **Properites of Alkylate Gasoline Products Lecture 148**

Lesson 33 : **Catalytic Reforming Production of Reformates Section Overview Lecture 149**

Lesson 34 : **Chemistry of Catalytic Reforming for Gasolines Lecture 150 Petroleum Refining**

Lesson 35 :
Fluid Catalytic Cracking for Cracked Gasoline and Other Products Section Overview Lecture 162

Lesson 36 : **Process Technology of Fluid Catalytic Crackers in a Refinery Lecture 165**

Lesson 37 : **Hydrocrackers for Petroleum Refineries Section Overview Lecture 168**

Lesson 38 : **Residual Treatment Coking Visbreaking Asphalting Section Overview Lecture 172**

Lesson 39 : **Secondary Processes in Refining Claus Haber Other Section Overview Lecture 179**

Lesson 40 : **Closure of the Petroleum Refining Course Lecture 185**

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