

## 25,000 BPD Crude Refining (Topping) Unit for Sale

### **Capacity**

Designed 10,000 BPD  
After revamp 25,000 BPD  
Last operating 17,500 BPD

### **Feedstock**

Light crude of 34° API  
Heavy crude of 20° API

### **Products**

Light and heavy naphtha  
Kerosene  
Diesel  
Residual fuel  
Atmospheric gas oil

### **Major Equipment**

- Pre-flash Tower
- Caustic Treaters
- Crude Fractionator
- Product Stripper
- Kerosene Stripper
- Diesel Stripper
- Gas Oil Stripper
- Pre-flash Overhead Accumulator
- Fractionator Overhead Accumulator
- Naphtha Stabilizer
- Stabilizer Overhead Accumulator
- Residue / Crude Heat Exchangers
- Fractionator Overhead/Crude Exchanger
- Fractionator Overhead Condenser
- Diesel Coolers
- Gas Oil / Crude Oil Heat Exchangers
- Naphtha Product Cooler
- Kerosene Cooler



### **BRIEF PLANT DESCRIPTION**

Phoenix Equipment has this used Crude Refining Unit (Topping Unit) for sale. The unit was designed to process two types of crude oil feed: light crude of 34° API and heavy crude of 20° API. The unit is designed to be able to reprocess 1,500 BPD of out-side off-spec naphtha in addition to and concurrent with the 25,000 BPD crude fractionation. Provisions are included to handle off-spec conditions either (1) for too high a vapor pressure or (2) with too high an end point. Alternate feed locations are to the Main Fractionator for conditions (1) or to the Naphtha Stabilizer for condition (2). Process Temperatures: Crude Charge 100 °F, Naphtha Product (max) 100 °F, Kerosene Product (max). 125 °F, Diesel Product (max) 150 °F, Atmos. Gas Oil (max) 175 °F, Residual Fuel Oil 200 - 300 °F. Column size basis 87% of flood (max). The Naphtha Stabilizer is designed to stabilize the light naphtha product (Pre-flash Tower Overhead) to 9# RVP (max). Design includes capability for re-running up to 1,500 BPD of off-spec.

### **For more information contact -**

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### **To discuss plants you are selling -**

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