

# REFINERY REPORT

23/03/2012

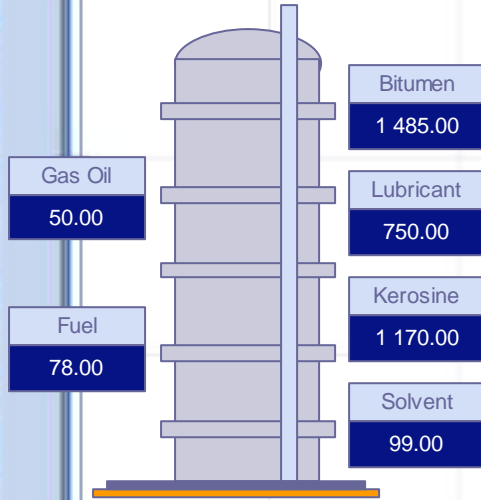
Plant Efficiency

53.71 %



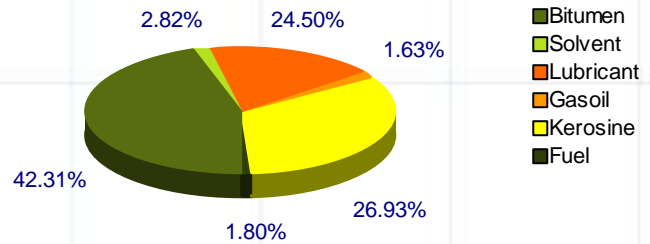
An oil refinery is a large industrial site - usually the size of a large village. Its job is to turn crude oil into a whole range of useful substances. It is split up in the distillation tower.

## Current Production

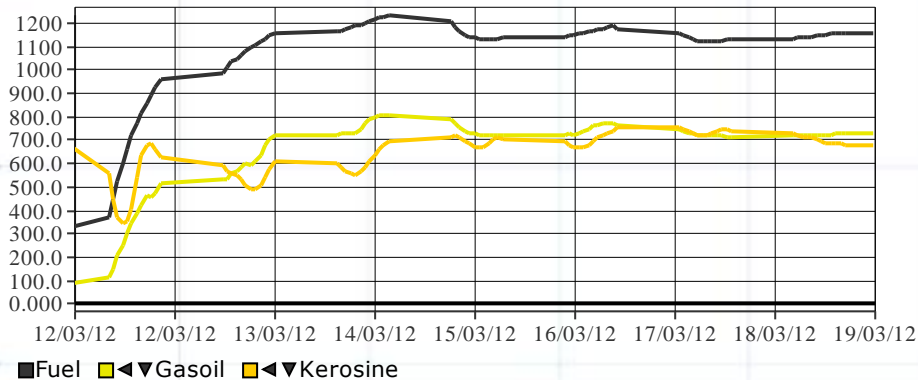


## Distillation Tower

- petrol ether: 40 - 70 °C (used as solvent)
- light petrol: 60 - 100 °C (automobile fuel)
- heavy petrol: 100 - 150 °C (automobile fuel)
- light kerosene: 120 - 150 °C (household solvent and fuel)
- kerosene: 150 - 300 °C (jet engine fuel)
- gas oil: 250 - 350 °C (Diesel fuel/ heating)
- lubrication oil: > 300 °C (engine oil)
- remaining fractions: tar, asphalt, residual fuel



## Weekly Tank Storage Variation



## Process Summary

	Bitumen	Lubricant	Kerosine	Solvent	Gasoil	Fuel
Daily Prod	98 325	62 085	56 985	6 555	4 139	3 799
Prod Status	RUN	RUN	RUN	RUN	RUN	RUN

## Event Summary

Start Time	End Time	Priority	Alarm Text
22/03/12 12:00:00	22/03/12 13:00:00	9	Ventilation Starts
22/03/12 13:00:00	22/03/12 14:00:00	8	Tank level High
22/03/12 14:00:00	22/03/12 15:00:00	5	Pumps On
22/03/12 15:00:00	22/03/12 16:00:00	2	Pumps Runs
22/03/12 16:00:00	22/03/12 17:00:00	7	Pumps Stopped
22/03/12 17:00:00	22/03/12 18:00:00	8	Temp Grow
22/03/12 18:00:00	22/03/12 19:00:00	8	Temp Fine
...	...	...	...