

## Crude Monitor.ca Mini-Assay Program

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**Crude Name:** Cold Lake  
**Sample Location:** Edmonton, AB  
**Assay Month:** August 2009

Whole Crude	
Density (kg/m3):	934.9
API gravity (oAPI):	19.72
Sulphur (wt%):	3.949
Nitrogen (mass ppm):	2004.8

### Temperature conversion

Centigrade	Fahrenheit
190	375
343	650
527	980

### Naphtha (IBP to 190oC)

Density (kg/m3):	693.2
API gravity (oAPI):	72.45
Sulphur (wt%):	0.078
Nitrogen (mass ppm):	
Mass % recovery:	16.34
Volume % recovery:	21.85

### Distillate (190 to 343oC)

Density (kg/m3):	885.3
API gravity (oAPI):	28.19
Sulphur (wt%):	1.686
Nitrogen (mass ppm):	63.0
Mass % recovery:	14.70
Volume % recovery:	15.39

### Gas Oil (343 to 527oC)

Density (kg/m3):	959.8
API gravity (oAPI):	15.80
Sulphur (wt%):	3.416
Nitrogen (mass ppm):	1063.1
Mass % recovery:	23.79
Volume % recovery:	22.98

### Residuum (527oC+)

Density (kg/m3):	1052.8
API gravity (oAPI):	2.79
Sulphur (wt%):	6.071
Nitrogen (mass ppm):	4032.7
Viscosity (cSt at 100oC):	54,885
Mass % recovery:	45.17
Volume % recovery:	39.78

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