

Crude Monitor.ca Mini-Assay Program

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Crude Name: Light Sour Blend (LSB)
Sample Location: Cromer
Assay Month: August 2009

Whole Crude	
Density (kg/m3):	832.4
API gravity (oAPI):	38.35
Sulphur (wt%):	0.910
Nitrogen (mass ppm):	679.5

Temperature conversion

Centigrade	Fahrenheit
190	375
343	650
527	980

Naphtha (IBP to 190oC)

Density (kg/m3):	728.3
API gravity (oAPI):	62.63
Sulphur (wt%):	0.025
Nitrogen (mass ppm):	
Mass % recovery:	34.35
Volume % recovery:	39.23

Distillate (190 to 343oC)

Density (kg/m3):	844.1
API gravity (oAPI):	36.00
Sulphur (wt%):	0.450
Nitrogen (mass ppm):	46.6
Mass % recovery:	29.03
Volume % recovery:	28.62

Gas Oil (343 to 527oC)

Density (kg/m3):	914.8
API gravity (oAPI):	23.04
Sulphur (wt%):	1.317
Nitrogen (mass ppm):	989.2
Mass % recovery:	23.31
Volume % recovery:	21.20

Residuum (527oC+)

Density (kg/m3):	1011.5
API gravity (oAPI):	8.27
Sulphur (wt%):	3.012
Nitrogen (mass ppm):	2977.3
Viscosity (cSt at 100oC):	798.5
Mass % recovery:	13.31
Volume % recovery:	10.95

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