

Crude Monitor.ca Mini-Assay Program

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Crude Name: Cold Lake
Sample Location: Hardisty, AB
Assay Month: April 2007

Whole Crude		Naphtha (IBP to 190oC)	
Density (kg/m3):	925.2	Density (kg/m3):	690.7
API gravity (oAPI):	21.31	API gravity (oAPI):	73.19
Sulphur (wt%):	3.61	Sulphur (wt%):	0.09
Nitrogen (mass ppm):	1546.1	Nitrogen (mass ppm):	
		Mass % recovery:	18.17
		Volume % recovery:	24.16
		Distillate (190 to 343oC)	
		Density (kg/m3):	884.1
		API gravity (oAPI):	28.41
		Sulphur (wt%):	1.61
		Nitrogen (mass ppm):	41.5
		Mass % recovery:	14.98
		Volume % recovery:	15.56
		Gas Oil (343 to 527oC)	
		Density (kg/m3):	958.6
		API gravity (oAPI):	15.99
		Sulphur (wt%):	3.19
		Nitrogen (mass ppm):	806.8
		Mass % recovery:	24.47
		Volume % recovery:	23.44
		Residuum (527oC+)	
		Density (kg/m3):	1057.1
		API gravity (oAPI):	2.24
		Sulphur (wt%):	5.77
		Nitrogen (mass ppm):	3216.4
		Viscosity (cSt at 100oC):	73,136
		Mass % recovery:	42.38
		Volume % recovery:	36.84

Temperature conversion

Centigrade	Fahrenheit
190	375
343	650
527	980

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