

Crude Monitor.ca Mini-Assay Program

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Crude Name: Western Canadian Select (WCS)

Sample Location: Hardisty, Alberta

Assay Month: May 2007

Whole Crude		Naphtha (IBP to 190oC)	
Density (kg/m3):	927.1	Density (kg/m3):	699.2
API gravity (oAPI):	20.99	API gravity (oAPI):	70.70
Sulphur (wt%):	3.34	Sulphur (wt%):	0.08
Nitrogen (mass ppm):	1986.6	Nitrogen (mass ppm):	
		Mass % recovery:	14.74
		Volume % recovery:	19.49
		Distillate (190 to 343oC)	
		Density (kg/m3):	879.7
		API gravity (oAPI):	29.20
		Sulphur (wt%):	1.17
		Nitrogen (mass ppm):	53.4
		Mass % recovery:	17.65
		Volume % recovery:	18.55
		Gas Oil (343 to 527oC)	
		Density (kg/m3):	951.8
		API gravity (oAPI):	17.04
		Sulphur (wt%):	2.78
		Nitrogen (mass ppm):	1016.9
		Mass % recovery:	26.75
		Volume % recovery:	25.98
		Residuum (527oC+)	
		Density (kg/m3):	1050.2
		API gravity (oAPI):	3.12
		Sulphur (wt%):	5.69
		Nitrogen (mass ppm):	4131.9
		Viscosity (cSt at 100oC):	49,299
		Mass % recovery:	40.86
		Volume % recovery:	35.98

Temperature conversion

Centigrade	Fahrenheit
190	375
343	650
527	980

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