

Crude Monitor.ca Mini-Assay Program

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Crude Name: Western Canadian Select (WCS)

Sample Location: Hardisty, AB

Assay Month: March 2006

Whole Crude		Naphtha (IBP to 190oC)	
Density (kg/m3):	925.1	Density (kg/m3):	694.4
API gravity (oAPI):	21.32	API gravity (oAPI):	72.10
Sulphur (wt%):	3.37	Sulphur (wt%):	0.07
Nitrogen (mass ppm):	2768.0	Nitrogen (mass ppm):	
		Mass % recovery:	15.62
		Volume % recovery:	20.65
Temperature conversion		Distillate (190 to 343oC)	
Centigrade	Fahrenheit	Density (kg/m3):	878.4
190	375	API gravity (oAPI):	29.44
343	650	Sulphur (wt%):	1.20
527	980	Nitrogen (mass ppm):	32.3
		Mass % recovery:	17.21
		Volume % recovery:	18.00
		Gas Oil (343 to 527oC)	
		Density (kg/m3):	947.9
		API gravity (oAPI):	17.65
		Sulphur (wt%):	2.68
		Nitrogen (mass ppm):	896.5
		Mass % recovery:	25.64
		Volume % recovery:	24.84
		Residuum (527oC+)	
		Density (kg/m3):	1044.7
		API gravity (oAPI):	3.83
		Sulphur (wt%):	5.47
		Nitrogen (mass ppm):	4141.2
		Viscosity (cSt at 100oC):	26,020
		Mass % recovery:	41.53
		Volume % recovery:	36.51

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