

## Crude Monitor.ca Mini-Assay Program

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**Crude Name:** Cold Lake (CL)  
**Sample Location:** Hardisty, AB  
**Assay Month:** June 2006

Whole Crude		Naphtha (IBP to 190oC)	
Density (kg/m3):	929.3	Density (kg/m3):	705.3
API gravity (oAPI):	20.63	API gravity (oAPI):	68.95
Sulphur (wt%):	3.691	Sulphur (wt%):	0.112
Nitrogen (mass ppm):	2111.6	Nitrogen (mass ppm):	
		Mass % recovery:	16.93
		Volume % recovery:	22.28
Temperature conversion		Distillate (190 to 343oC)	
Centigrade	Fahrenheit	Density (kg/m3):	886.3
190	375	API gravity (oAPI):	28.01
343	650	Sulphur (wt%):	1.697
527	980	Nitrogen (mass ppm):	87.8
		Mass % recovery:	15.81
		Volume % recovery:	16.56
		Gas Oil (343 to 527oC)	
		Density (kg/m3):	957.5
		API gravity (oAPI):	16.16
		Sulphur (wt%):	3.217
		Nitrogen (mass ppm):	1020.0
		Mass % recovery:	21.07
		Volume % recovery:	20.42
		Residuum (527oC+)	
		Density (kg/m3):	1052.2
		API gravity (oAPI):	2.87
		Sulphur (wt%):	5.975
		Nitrogen (mass ppm):	3483.0
		Viscosity (cSt at 100oC):	38,450
		Mass % recovery:	46.19
		Volume % recovery:	40.74

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